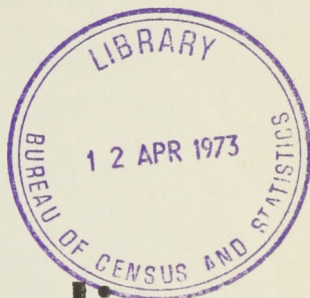


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Statistics of Western Australia

TRANSPORT AND COMMUNICATION

1969-70 and 1970-71

W. M. BARTLETT

DEPUTY COMMONWEALTH STATISTICIAN

AND GOVERNMENT STATISTICIAN

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ROUNDING OF FIGURES

Many of the figures appearing in the tables have been rounded to thousands without making those adjustments which would be needed to make the rounded figures add to the rounded total. It is for this reason that figures do not always add to the totals shown in the tables.

TRANSPORT AND COMMUNICATION

CONTENTS

TABLE	PAGE
Transport	
Introductory Letterpress	5
SHIPPING	
1 Number and Net Tonnage of Vessels Entered at Western Australian Ports: 1969-70	6-7
2 Number and Net Tonnage of Vessels Entered at Western Australian Ports: 1970-71	8-9
3 Number and Net Tonnage of Vessels Cleared from Western Australian Ports: 1969-70	10-11
4 Number and Net Tonnage of Vessels Cleared from Western Australian Ports: 1970-71	12-13
5 Number and Net Tonnage of Vessels Entered and Cleared direct from, and to, Overseas according to Country of Registration: 1969-70	14
6 Number and Net Tonnage of Vessels Entered and Cleared direct from, and to, Overseas according to Country of Registration: 1970-71	14
7 Cargo Discharged and Loaded at Ports, by Type of Vessel: 1969-70	15-16
8 Cargo Discharged and Loaded at Ports, by Type of Vessel: 1970-71	17-18
9 Cargo Discharged from, and Loaded for, Overseas according to Geographic Trade Area: 1969-70	19
10 Cargo Discharged from, and Loaded for, Overseas according to Geographic Trade Area: 1970-71	20
11 Principal Items of Cargo (Overseas, Interstate and Intrastate) Shipped at each Port	21-2
Port Authority Operations—	
12 Operations of the Fremantle Port Authority	23
13 Operations of the Albany Port Authority	24
14 Operations of the Bunbury Port Authority	24
RAILWAYS	
Western Australian Government Railways—	
15 Length of Railway open for Traffic	25
16 Route Mileage and Rolling Stock	25
17 Rolling Stock in Service, by Type of Vehicle	25
18 Traffic	26
19 Freight Summary	26
20 Commodities Carried	26
21 Operating Revenue	27
22 Operating Expenses	27
23 Capital Investment and Net Financial Result	27
24 Employees and Salaries and Wages Paid	28
Iron Ore Railways—	
25 Railways used for Transport of Iron Ore	28
ROADS AND ROAD TRAFFIC	
Introductory Letterpress	29
Roads—	
26 Roads Open for Vehicular Traffic: Mileage classified according to Statistical Division	30
Motor Vehicles—	
27 New Motor Vehicles Registered	30
28 Motor Vehicles on Register and Ratio to Population	31
29 Motor Drivers' Licences on Issue	32
30 Motor Drivers' Licences Suspended or Cancelled by the Courts	32
Omnibus Services—	
31 Omnibus Services: Government, Municipal and Private	33
PASSENGER FERRY SERVICE	
32 Perth-South Perth Ferry Service	33

CONTENTS—continued

TABLE

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES

	Classification of Accidents—								
33	Nature of Accident	....	....	....	....	....	....	....	....
34	Feature of Roadway	....	....	....	....	....	....	....	....
	Time of Accidents—								
35	Day of Week	....	....	....	....	....	....	....	....
36	Time of Day	....	....	....	....	....	....	....	....
	Casualties—								
37	Age and Sex of Casualties	....	....	....	....	....	....	....	....
38	Type of Road User	....	....	....	....	....	....	....	....
39	Motor Drivers and Riders: Licences in Force and Casualties	....	....	....	....	....	....	....	....

AIR TRANSPORT

	Introductory Letterpress	....	....	....	....	....	....	....	....
40	Civil Aviation: Passengers, Freight, and Aircraft Movements at Principal Airports	....	....	....	....	....	....	....	....
41	Civil Aviation: Accidents involving Casualties	....	....	....	....	....	....	....	....

Communication

POSTMASTER-GENERAL'S DEPARTMENT

42	Employees and Post Offices	....	....	....	....	....	....	....	....
43	Cash Receipts and Expenditure	....	....	....	....	....	....	....	....
44	Telegraphs and Telephones: Mileage of Conductors and Pole Routes	....	....	....	....	....	....	....	....
45	Telegraphs	....	....	....	....	....	....	....	....
46	Telephones and Exchanges	....	....	....	....	....	....	....	....
47	Teleprinter Exchange Network (Telex)	....	....	....	....	....	....	....	....
48	Postal Articles Handled	....	....	....	....	....	....	....	....
49	Postal Orders and Money Orders	....	....	....	....	....	....	....	....

RADIOCOMMUNICATION, BROADCASTING AND TELEVISION

50	Authorised Civil Radiocommunication Stations	....	....	....	....	....	....	....	....
51	Broadcasting Stations	....	....	....	....	....	....	....	....
52	Television Stations	....	....	....	....	....	....	....	....
53	Receiving Licences: Number and Revenue	....	....	....	....	....	....	....	....

Statistical Summary

TRANSPORT

54	Railways and Shipping	....	....	....	....	....	....	....	....
55	Motor Vehicle Registrations	....	....	....	....	....	....	....	....

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES

56	Summary of Road Traffic Accidents and Casualties
57	Accident Rate and Casualty Rate

<i>List of Statistical Publications</i>
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TRANSPORT

SHIPPING

Sources of statistics. On arrival at, or departure from a port in Australia, whether from or for an overseas country or from or for another port in Australia, the master or agent must 'enter' the vessel to the Customs authorities at the port, and supply certain prescribed information in regard to the ship and its cargo. At the end of each month the Department of Customs and Excise sends to the Commonwealth Bureau of Census and Statistics a return of information so obtained. Tables 1-10 have been prepared from tabulations compiled from these returns.

The information in Tables 11-14 has been obtained from data supplied by the Fremantle Port Authority; the Albany Port Authority; the Bunbury Port Authority; the Harbour and Light Department; and by private operators in respect of the ports (or landing points) at Barrow Island, Cape Cuvier, Dampier, Exmouth, Useless Loop and Yampi.

Statistics of cargo handled obtained from these two sources are not strictly comparable for the reason stated under *Tonnage of cargo* below.

Classification of vessels. In Tables 1-4, 7 and 8 vessels are classified to three groups: liner services; trampships and bulkships; and tankers.

A liner service specifically relates to a vessel which, on the voyage on which cargo is loaded or discharged at a Western Australian port, is operated by a common carrier in providing services on a specified route on a relatively regular basis. Liner services include both passenger and cargo liners. The term *tramps* refers to freight-vessels not operating on a regular route.

Country of loading or discharge. Ports at which vessels load or discharge cargo are allocated to their respective countries and these are the countries of loading or discharge of cargo shown in Tables 9 and 10. Each country is classified to a geographic trade area in accordance with the *Classification of Geographic Trade Areas for Shipping Statistics* used by the Commonwealth Statistician, Canberra.

The countries shown are not necessarily the countries of origin or ultimate destination of cargo because previous or subsequent overseas transshipments are not taken into account. The statistics of cargo classified according to the country in which it was loaded or discharged cannot therefore be compared directly with statistics of overseas trade classified by country of origin or destination. In Australian import statistics, *Country of Origin* refers to the country in which the goods imported were produced. In Australian export statistics, *Country of Destination* refers to the country of final destination of goods at the time of export and not to any country in which they may be transhipped en route. For example, where the United Kingdom is the country of final destination but the goods imported are transhipped at a Netherlands port, export statistics would show them as exports to the United Kingdom whereas in shipping cargo statistics they would be shown as cargo loaded for discharge in the Netherlands.

Cargo loaded for 'optional ports' (i.e. consignments of cargo for discharge at one of a specified range of ports, the particular port being nominated by the shipper during the voyage) is classified to the country in which the ports are situated when they are all within one country. If the range of port options extends beyond one country, the cargo is allocated to the category 'optional ports' within the relevant geographic trade area.

In the case of a vessel without cargo (i.e. 'in ballast') sailing to or from Australia (or between Australian ports) the country or port referred to is that in which the voyage commenced or terminated.

Tonnage of vessels. The *gross tonnage* and *net tonnage* of a vessel are measures of its carrying capacity, one ton being equal to 100 cubic feet. The gross tonnage, as used in Tables 12-14, represents the total volume of a vessel's enclosed space. The net tonnage, as used in Tables 1-6, represents the volume of enclosed space that can be used for cargo and passengers.

Tonnage of cargo. Most cargoes are recorded in terms of the *ton weight* of 2,240 lb, but some cargo, consisting mainly of bulky commodities, is recorded on the basis of the *ton measurement*, a unit equivalent to 40 cubic feet of space. Statistics are compiled accordingly in terms of 'tons weight' or 'tons measurement'.

The tonnages recorded in the two categories have been aggregated in Tables 11-14 in order to provide a ready comparison of the volume of cargo handled at the several ports or in different periods. In Tables 7-10 details of cargo handled are presented separately on the basis of 'tons weight' and 'tons measurement'.

The tonnages appearing in Tables 7-10, which are actual tonnages as recorded on ships' manifests, cannot be reconciled with those shown in Tables 11-14 because a port authority, for the purpose of calculating cargo handling charges, may classify items of cargo, as between 'tons weight' and 'tons measurement', in a manner different from that shown on the ship's manifest.

NO. 1—Number and Net Tonnage of Vessels Entered at Western Australian Ports: 1969-70

Type of vessel and port	Intrastate				Interstate, direct				Interstate, via other Western Australian ports				Overseas, direct				Overseas, via other Australian States				Overseas, via other Western Australian ports				Total			
	With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast	
	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons
Liners—																												
Port of Fremantle	28	43	....	....	39	174	....	....	43	89	....	....	294	2,385	10	35	268	1,959	8	93	133	657	1	1	805	5,307	19	129
Other ports—																												
Albany	....	....	....	....	3	6	....	....	....	....	....	....	1	4	....	....	26	142	....	....	52	250	....	....	82	403	....	....
Barrow Island (a)	8	10	....	....	....	....	....	....	....	....	....	....	2	10	....	....	....	....	....	....	11	5	....	....	11	25	....	....
Broome	83	160	....	....	7	13	....	....	4	6	....	....	8	36	4	15	2	7	....	....	10	42	....	....	114	264	4	15
Bunbury	1	1	....	....	....	....	2	4	....	....	....	....	....	....	1	5	21	111	....	....	44	195	1	5	66	307	4	14
Busselton	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	3	....	....	2	3	....	....
Carnarvon (b)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	5	....	....	....	....	1	5	5	17	1	5	6	23
Dampier	67	121	....	....	2	3	....	....	....	....	....	....	6	33	....	....	5	26	....	....	8	33	....	....	88	216	....	....
Derby	59	112	....	....	14	33	....	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	74	147	....	....
Esperance	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	8	2	10	....	....	7	28	3	11	9	37	5	19
Exmouth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	11	....	....	4	23	....	....	8	38	....	....
Geraldton	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	66	1	2	16	80	1	2
Onslow	....	....	....	....	....	....	....	....	....	....	....	....	3	14	....	....	....	....	....	....	13	66	....	....	35	63	....	....
Port Hedland	55	63	....	....	2	4	....	....	7	17	....	....	16	65	5	12	1	3	2	4	6	22	1	3	109	250	8	19
Port Walcott (c)	77	138	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	35	63	....	....
Wyndham	30	53	....	....	3	5	....	....	....	....	....	....	1	4	....	....	....	....	....	....	1	1	....	....	85	201	1	2
Yampi	59	110	....	....	6	13	....	....	4	8	....	....	8	43	1	2	5	18	....	....	3	9	....	....	65	132	2	3
Yampi	53	103	1	1	8	16	1	2	....	....	....	....	3	12	....	....	....	....	....	....	1	1	....	....	....	....	....	....
Total, all ports	501	914	1	1	84	267	3	6	59	123	....	....	343	2,610	24	83	332	2,288	10	97	286	1,340	12	39	1,605	7,542	50	226
Tramps, bulkships—																												
Port of Fremantle	9	98	....	....	81	497	15	79	1	7	....	....	55	357	83	541	37	247	3	7	103	673	12	15	286	1,879	113	643
Other ports—																												
Albany	....	....	....	....	....	....	....	....	....	....	....	....	12	85	15	86	25	145	1	8	9	53	....	....	46	282	16	94
Barrow Island (a)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	21	3	1	1	21	2	(d)	....	....	5	1	2	41
Broome	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6	7	....	....
Bunbury	....	....	4	15	1	2	1	3	....	....	....	....	7	39	16	107	8	43	3	22	19	114	8	49	35	198	32	196
Carnarvon (b)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	37	237	....	....	....	....	1	11	2	15	1	11	39	252
Dampier	....	....	....	....	....	....	....	....	....	....	....	....	7	89	244	4,594	1	3	....	....	16	11	....	....	24	102	245	4,601
Esperance	....	....	....	....	....	....	....	....	....	....	....	....	9	58	13	81	6	36	2	10	5	45	3	11	20	139	18	103
Exmouth	....	....	....	....	....	....	....	....	....	....	....	....	1	5	....	....	1	3	....	....	....	....	....	....	7	13	....	....
Geraldton	....	....	....	....	....	....	....	....	....	....	....	....	7	41	61	432	1	7	....	....	6	47	4	29	14	95	65	461
Port Hedland	1	5	....	....	1	5	....	....	6	32	....	....	12	123	304	4,332	7	17	3	21	19	15	....	....	46	198	307	4,354
Port Walcott (c)	....	....	....	....	....	....	....	....	1	4	....	....	....	....	....	....	....	....	....	....	7	4	....	....	8	1	....	....
Wyndham	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yampi	14	105	8	83	16	(d) 141	20	243	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	2	1	....	....
Yampi	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	30	247	1	4
Total, all ports	24	209	13	105	100	646	36	325	8	43	....	....	110	797	809	10,930	93	503	13	90	195	983	19	130	230	1,883	200	1,082

Tankers— Port of Fremantle	27	203	16	131	13	104	17	149	....	....	....	....	78	1,317	3	10	16	53	3	20	12	151	6	15	146	1,828	45	325
Other ports—																													
Albany	7	56	....	....	1	8	....	....	....	....	....	....	3	21	....	....	4	15	1	25	1	(d)	....	....	16	101	1	25
Barrow Island (a)	5	40	24	183	9	88	17	171	....	....	....	....	1	7	....	25	1	7	11	214	....	....	2	54	14	129	55	647
Broome	2	16	....	....	1	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	39	....	....
Bunbury	8	64	8	64
Carnarvon (b)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	11	19	....	....	11	19	....	....
Dampier	....	....	....	....	....	....	....	....	....	....	....	....	6	42	....	....	1	7	....	....	9	63	....	....	16	112	....	....
Derby	....	....	....	....	....	....	....	....	....	....	....	....	7	11	....	....	....	....	....	....	1	2	....	....	8	13	....	....
Esperance	5	42	....	....	5	43	....	....	....	....	....	....	....	....	....	....	1	(d)	....	....	7	9	....	....	18	94	....	....
Exmouth	3	24	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	24	....	....
Geraldton	7	55	1	8	8	64
Port Hedland	12	95	....	....	....	....	....	....	....	....	....	....	5	41	....	....	2	16	....	....	10	72	....	....	29	224	....	....
Port Walcott (c)	....	....	....	....	....	....	....	....	....	....	....	....	1	(d)	....	....	....	....	....	....	....	....	....	....	1	(d)	....	....
Wyndham	2	16	....	....	....	....	....	....	....	....	....	....	1	7	....	....	7	53	....	....	3	15	....	....	13	92	....	....
Yampi	1	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	8	....	....
Total, all ports	79	621	40	314	29	252	34	319	1	8	....	....	102	1,447	4	35	32	152	15	260	54	332	8	69	297	2,811	101	998
All vessels— Port of Fremantle	64	344	16	131	133	775	32	228	44	96	....	....	427	4,059	96	587	321	2,259	14	121	248	1,481	19	31	1,237	9,014	177	1,097
Other ports—																													
Albany	7	56	....	....	4	15	....	....	....	....	....	....	16	110	15	86	55	302	2	33	62	303	....	....	144	786	17	119
Barrow Island (a)	13	51	24	183	9	88	17	171	....	....	....	....	2	10	2	46	3	1	12	234	3	5	2	54	30	155	57	688
Broome	85	176	....	....	8	21	....	....	4	6	....	....	9	43	4	15	7	16	....	....	12	47	....	....	125	309	4	15
Bunbury	9	65	4	15	1	2	3	7	....	....	....	....	7	39	17	112	29	154	3	22	63	309	9	53	109	569	36	210
Busselton	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	3	....	....	2	3	....	....
Carnarvon (b)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	13	35	7	33	13	35	45	275
Dampier	67	121	1	7	2	3	....	....	....	....	....	....	19	164	244	4,594	7	36	....	....	33	107	....	....	128	430	245	4,601
Derby	59	112	....	....	14	33	....	....	1	2	....	....	7	11	....	....	....	....	....	....	1	2	....	....	82	160	....	....
Esperance	5	42	....	....	5	43	....	....	....	....	....	....	9	58	15	89	9	46	2	10	19	81	6	23	47	270	23	122
Exmouth	4	26	....	....	....	....	....	....	....	....	....	....	2	8	....	....	3	14	....	....	9	27	....	....	18	75	....	....
Geraldton	7	55	....	....	....	....	....	....	....	....	....	....	10	56	61	432	1	7	....	....	19	113	5	31	38	239	66	463
Onslow	35	63	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	35	63	....	....
Port Hedland	90	238	....	....	3	9	....	....	13	49	....	....	33	229	309	4,344	10	37	5	25	35	110	1	3	184	672	315	4,372
Port Walcott (c)	30	53	....	....	3	5	....	....	1	4	....	....	2	5	....	....	....	....	....	....	8	5	....	....	44	71	....	....
Wyndham	61	126	....	....	7	13	....	....	4	8	....	....	9	50	2	5	12	71	....	....	7	25	....	....	100	294	2	5
Yampi	68	216	9	84	24	157	21	245	....	....	....	....	3	12	34	496	....	....	....	....	1	1	....	....	96	387	64	825
GRAND TOTAL	604	1,744	54	421	213	1,165	73	650	68	174	....	....	555	4,854	837	11,048	457	2,943	38	446	535	2,655	49	228	2,432	13,535	1,051	12,792

(a) Buoyed sea terminal.

(b) Includes Cape Cuvier and Useless Loop.

(c) Includes Cape Lambert and Point Samson.

(d) Less than 500 tons.

No. 2—Number and Net Tonnage of Vessels Entered at Western Australian Ports: 1970-71

Type of vessel and port	Intrastate				Interstate, direct				Interstate, via other Western Australian ports				Overseas, direct				Overseas, via other Australian States				Overseas, via other Western Australian ports				Total			
	With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast	
	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons
Liners—																												
Port of Fremantle	32	51	2	3	56	311	....	....	34	75	....	....	295	2,240	8	35	225	1,782	2	27	95	466	....	....	737	4,924	12	65
Other ports—																												
Albany	1	8	....	....	....	....	....	....	....	....	....	....	3	17	1	6	9	48	....	....	29	137	2	10	42	210	3	17
Barrow Island (a)	8	13	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	3	....	....	9	15	1	1
Bunbury	72	141	....	....	8	19	....	....	5	11	....	....	7	32	2	3	2	6	....	....	6	29	....	....	100	238	2	3
Busselton	2	9	....	....	....	....	....	....	....	....	....	....	1	3	....	....	14	69	1	5	41	181	2	10	58	262	3	15
Dampier	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	1	....	....
Derby	47	89	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	25	....	....	9	41	....	....	68	190	....	....
Esperance	54	106	....	....	5	12	1	2	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	60	120	1	2
Exmouth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Geraldton	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Onslow	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Port Hedland	27	52	....	....	....	....	....	....	1	3	....	....	....	....	1	5	1	6	....	....	12	62	....	....	14	70	1	5
Port Walcott (b)	70	139	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wyndham	44	78	....	....	2	4	....	....	3	7	....	....	5	21	....	....	2	9	....	....	9	38	1	4	91	218	1	4
Yampi	58	109	....	....	4	8	1	2	....	....	....	....	2	7	....	....	....	....	....	....	2	8	....	....	48	93	....	....
Total, all ports	50	98	1	3	8	14	1	2	....	....	....	....	5	22	1	7	2	11	....	....	3	14	....	....	72	165	2	9
	465	894	3	6	83	368	4	7	44	98	....	....	328	2,389	13	56	261	1,959	3	32	215	1,018	9	36	1,396	6,725	32	136
Tramps, bulkships—																												
Port of Fremantle	12	42	21	14	69	545	18	119	....	....	....	....	60	416	140	1,099	46	290	10	65	106	791	5	35	293	2,084	194	1,333
Other ports—																												
Albany	2	32	....	....	....	....	....	....	....	....	....	....	10	72	37	222	35	177	3	24	12	68	4	35	59	348	44	281
Broome	....	....	....	....	....	....	....	....	....	....	....	....	2	5	....	....	3	5	....	....	1	(c)	....	....	6	11	....	....
Bunbury	3	6	6	14	1	2	7	17	....	....	....	....	7	34	24	123	3	21	7	56	20	127	10	75	34	191	54	284
Carnarvon (d)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Dampier	34	37	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Derby	....	....	....	....	....	....	....	....	1	5	....	....	21	175	323	6,335	3	9	....	....	2	5	....	....	61	231	323	6,335
Esperance	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Exmouth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Geraldton	6	4	....	....	....	....	....	....	....	....	....	....	11	88	28	178	2	14	8	36	6	31	10	36	19	133	46	250
Port Hedland	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Port Walcott (b)	28	23	....	....	....	....	1	15	11	59	....	....	6	34	80	503	2	15	4	25	4	32	7	35	12	82	91	563
Wyndham	13	10	....	....	....	....	....	....	....	....	....	....	9	121	415	7,478	3	8	1	3	7	42	5	18	58	252	422	7,514
Yampi	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total, all ports	13	89	6	65	10	67	13	140	3	18	....	....	2	4	1	60	....	....	....	....	2	4	....	....	21	31	1	3
	111	332	31	93	80	311	22	362	13	82	....	....	136	987	1,182	1,708	27	238	35	211	160	1,102	48	221	28	195	79	1,113

No. 3—Number and Net Tonnage of Vessels Cleared from Western Australian Ports: 1969-70

Type of vessel and port	Intrastate				Interstate, direct				Interstate, via other Western Australian ports				Overseas, direct				Overseas, via other Australian States				Overseas, via other Western Australian ports				Total			
	With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast	
	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons
Liners—																												
Port of Fremantle	28	44	....	....	30	158	2	5	51	100	....	....	333	2,238	4	55	284	2,436	8	37	79	343	8	29	805	5,318	22	126
Other ports—																												
Albany	1	2	....	....	....	....	2	4	....	....	....	....	17	73	....	....	12	50	....	....	47	259	....	....	77	384	2	4
Barrow Island (a)	8	10	....	....	....	....	....	....	....	....	....	....	17	73	....	....	12	50	....	....	3	15	....	....	11	25	....	....
Broome	75	141	....	....	1	2	....	....	18	36	....	....	1	4	....	....	1	5	....	....	22	91	....	....	118	279	....	....
Bunbury	1	1	....	....	2	4	....	....	....	....	....	....	9	38	....	....	7	26	3	13	46	230	2	8	65	300	5	21
Busseton	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	3	....	....	2	....	....	....	2	3	....	....
Carnarvon (b)	....	....	....	....	....	....	....	....	....	....	....	....	4	19	....	....	2	....	....	....	1	4	1	1	5	23	1	1
Dampier	66	117	2	4	....	....	....	....	1	2	....	....	....	....	....	....	....	....	....	....	1	4	....	....	84	200	3	12
Derby	60	120	....	....	....	....	....	....	14	27	....	....	....	....	....	....	1	3	1	8	16	78	....	....	74	147	....	....
Esperance	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	14	56	....	....
Exmouth	1	1	....	....	....	....	....	....	....	....	....	....	4	15	....	....	1	1	....	....	9	40	....	....	8	38	....	....
Geraldton	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7	37	....	....	17	82	....	....
Onslow	35	63	....	....	....	....	....	....	....	....	....	....	2	5	....	....	....	....	....	....	15	77	....	....	35	63	....	....
Port Hedland	72	130	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	117	268	....	....
Port Walcott (c)	30	52	....	....	....	....	....	....	14	29	....	....	10	26	....	....	1	1	....	....	20	82	....	....	35	63	....	....
Wyndham	35	64	1	1	34	68	....	....	3	6	....	....	....	....	....	....	....	....	....	2	6	....	....	....	86	205	1	1
Yampi	45	88	....	....	7	13	....	....	11	21	....	....	2	5	....	....	1	5	....	....	14	62	....	....	66	134	....	....
Total, all ports	457	835	3	5	74	245	4	9	112	220	....	....	382	2,423	4	55	311	2,535	13	59	283	1,332	11	38	1,619	7,588	35	167
Tramps, bulkships—																												
Port of Fremantle	14	102	11	85	67	371	7	53	1	4	....	....	219	1,499	9	49	22	154	7	41	33	106	12	69	356	2,237	46	298
Other ports—																												
Albany	....	....	....	....	....	....	....	....	....	....	....	....	35	211	5	29	....	....	2	8	20	130	1	6	55	342	8	43
Barrow Island (a)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	21	....	....	4	42	3	1
Broome	....	....	....	....	....	....	....	....	....	....	....	....	1	4	1	2	....	....	....	....	2	2	....	....	3	5	3	2
Bunbury	....	....	....	....	6	20	....	....	....	....	....	....	11	58	3	17	3	19	4	(d)	38	236	2	16	58	334	9	58
Carnarvon (b)	....	....	....	....	....	....	....	....	....	....	....	....	37	240	....	....	....	....	....	....	3	16	1	11	40	256	1	11
Dampier	....	....	....	....	1	7	....	....	....	....	....	....	245	4,624	4	13	1	2	....	....	12	7	3	2	259	4,640	7	14
Esperance	....	....	....	....	....	....	....	....	....	....	....	....	17	96	1	11	6	36	....	....	13	91	....	....	36	223	1	11
Exmouth	....	....	....	....	....	....	....	....	....	....	....	....	1	2	2	8	....	....	....	....	1	1	....	....	2	3	5	10
Geraldton	....	....	....	....	....	....	....	....	....	....	....	....	30	189	1	11	....	....	....	....	47	350	1	3	77	539	1	11
Port Hedland	7	38	....	....	5	140	....	....	2	11	....	....	317	4,361	....	....	2	5	....	....	16	16	4	3	349	4,570	4	3
Port Walcott (c)	....	1	4	....	....	....	....	....	....	....	....	....	1	4	....	....	1	1	....	....	6	3	1	1	6	3	5	5
Wyndham	....	....	....	....	(d)	727	....	....	....	....	....	....	13	174	....	....	....	....	....	....	1	10	....	....	90	1,022	....	....
Yampi	8	91	....	....	66	....	....	....	1	7	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....
Total, all ports	20	231	12	80	140	1,266	7	84	4	22	227	1,463	20	130	24	260	18	70	124	394	20	122	1,022	7,588	35	167

Tankers—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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(a) Buoyed sea terminal.

(b) Includes Cape Cuvier and Useless Loop.

(c) Includes Cape Lambert and Point Samson.

(d) Less than 500 tons.

No. 4—Number and Net Tonnage of Vessels Cleared from Western Australian Ports: 1970-71

Type of vessel and port	Intrastate				Interstate, direct				Interstate, via other Western Australian ports				Overseas, direct				Overseas, via other Australian States				Overseas, via other Western Australian ports				Total			
	With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast		With cargo		In ballast	
	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons
Liners— Port of Fremantle	32	52	....	....	46	282	2	4	44	100	....	....	307	2,179	1	14	245	2,049	4	28	60	262	12	42	734	4,925	19	87
Other ports— Albany	....	....	....	....	1	8	....	....	....	....	....	....	7	34	....	....	6	19	1	6	30	160	....	....	44	221	1	6
Barrow Island (a)	9	14	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	10	17	....	....
Broome	70	138	....	....	....	....	....	....	15	33	....	....	1	6	1	....	....	....	....	....	15	63	....	....	101	240	1	1
Bunbury	1	1	....	....	1	8	....	....	....	....	....	....	9	40	....	....	9	30	3	13	37	181	1	4	57	260	4	18
Busselton	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....
Dampier	45	85	....	....	....	....	....	....	2	4	....	....	2	7	....	....	1	5	....	....	18	89	....	....	68	190	....	....
Derby	40	77	1	2	....	....	....	....	20	43	....	....	....	....	....	....	....	....	....	....	....	....	....	....	60	120	1	2
Esperance	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6	19	....	....
Exmouth	....	....	....	....	....	....	....	....	....	....	....	....	3	8	....	....	....	....	....	....	3	11	....	....	7	36	....	....
Geraldton	1	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7	36	....	....	17	86	....	....
Onslow	27	52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	16	84	....	....	27	52	....	....
Port Hedland	55	107	....	....	....	....	....	....	19	41	....	....	....	....	....	....	....	....	....	....	....	....	....	....	91	221	1	4
Port Walcott (b)	36	63	....	....	....	....	....	....	7	13	....	....	....	....	....	....	....	....	1	4	17	74	....	....	46	86	1	5
Wyndham	30	58	....	....	27	52	....	....	5	15	....	....	....	....	....	....	....	....	....	....	3	10	1	5	72	177	....	....
Yampi	57	111	....	....	1	2	....	....	2	3	....	....	....	....	....	....	....	....	....	....	7	38	....	....	72	177	....	....
Total, all ports	403	760	1	2	76	353	2	4	114	253	....	....	331	2,283	2	15	263	2,108	9	52	216	1,020	14	51	1,402	6,777	28	123
Tramps, bulkships— Port of Fremantle	46	135	7	71	61	456	6	66	1	4	....	....	299	2,266	1	7	29	191	3	19	23	117	11	72	459	3,170	28	235
Other ports— Albany	....	....	....	....	2	32	....	....	....	....	....	....	65	352	2	15	6	35	2	6	22	159	4	30	95	578	8	51
Broome	....	....	....	....	....	....	....	....	....	....	....	....	5	1	2	....	....	....	....	....	2	....	....	....	4	8	2	3
Bunbury	9	17	....	....	8	22	....	....	....	....	....	....	3	82	1	5	4	32	2	10	37	248	6	(c)	77	401	9	62
Carnarvon (d)	....	....	....	....	....	....	....	....	....	....	....	....	19	86	....	....	....	....	....	....	1	13	....	....	86	753	1	13
Dampier	25	24	9	16	....	....	....	....	....	....	....	....	86	753	....	....	....	....	....	....	5	44	4	10	356	6,492	25	64
Derby	....	....	....	....	....	....	....	....	....	....	....	....	325	6,407	6	20	1	17	6	18	....	....	....	....	1	1	....	....
Esperance	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Exmouth	....	....	....	....	....	....	....	....	....	....	....	....	43	224	....	....	3	23	....	....	17	123	3	19	63	370	3	19
Geraldton	3	2	3	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	2	3	....
Port Hedland	26	64	11	7	10	212	....	....	2	33	....	....	51	247	....	....	....	....	1	9	48	372	3	24	99	619	4	32
Port Walcott (b)	9	6	4	4	....	....	....	....	....	....	....	....	417	7,303	4	15	....	....	2	5	2	5	2	5	457	7,617	19	32
Wyndham	....	....	....	....	....	....	....	....	....	....	....	....	1	3	....	....	....	....	....	....	2	5	4	11	10	8	11	22
Yampi	5	33	....	....	45	429	....	....	....	....	....	....	48	744	....	....	....	....	....	....	2	5	....	....	3	8	....	....
Total, all ports	123	280	34	100	126	1,151	6	66	3	37	....	....	1,357	18,386	16	68	53	440	19	85	159	1,080	38	217	1,821	21,375	113	537

No. 5—Number and Net Tonnage of Vessels Entered and Cleared direct from, and to, Overseas according to Country of Registration: 1969 -70

Country of registration (a)	Vessels entered						Vessels cleared					
	With cargo		In ballast		Total		With cargo		In ballast		Total	
	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons
Australia	4	59	16	231	20	289	12	142	....	....	12	142
Belgium-Luxembourg .....	....	....	6	143	6	143	6	143	....	....	6	143
Christmas Island	2	30	3	20	5	50	8	46	1	24	9	70
Denmark	10	40	17	208	27	248	27	241	1	(b)	28	241
France	5	37	6	179	11	216	12	204	1	22	13	226
Germany, Federal Republic of	18	117	19	329	37	446	33	429	1	8	34	437
Greece	25	212	52	702	77	914	80	909	1	12	81	922
Hong Kong	3	56	7	74	10	130	8	80	3	52	11	131
India	4	10	7	94	11	104	25	181	....	....	25	181
Israel	3	14	9	168	12	183	9	178	....	....	9	178
Italy	22	294	5	69	27	362	24	262	3	41	27	303
Japan	61	534	296	3,091	357	3,625	352	3,339	19	294	371	3,633
Kuwait	6	122	10	13	16	135	9	11	6	122	15	134
Liberia	45	502	186	2,799	231	3,301	213	2,998	12	206	225	3,204
Netherlands	20	107	14	126	34	233	53	330	2	14	55	344
Norway	63	465	70	1,348	133	1,813	134	1,721	14	183	148	1,905
Panama	12	120	27	129	39	250	34	165	....	....	34	165
Poland .....	....	....	....	....	....	....	10	39	....	....	10	39
Singapore	15	44	....	....	15	44	3	5	5	7	8	11
Sweden	8	115	5	34	13	149	13	75	5	101	18	176
United Kingdom	207	1,858	62	1,189	269	3,046	235	2,389	35	372	270	2,761
U.S.S.R.	7	34	....	....	7	34	10	50	....	....	10	50
Other countries	15	84	20	104	35	188	30	163	3	32	33	195
Total	555	4,854	837	11,048	1,392	15,902	1,340	14,101	112	1,489	1,452	15,590

(a) The countries listed separately represent those for which the number of vessels either entered or cleared exceeded 4.
 (b) Less than 500 tons.

No. 6—Number and Net Tonnage of Vessels Entered and Cleared direct from, and to, Overseas according to Country of Registration: 1970-71

Country of registration (a)	Vessels entered						Vessels cleared					
	With cargo		In ballast		Total		With cargo		In ballast		Total	
	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons	No.	'000 tons
Antilles (Netherlands)	4	21	2	36	6	56	8	76	....	....	8	76
Australia	3	43	7	95	10	139	3	43	....	....	3	43
Belgium-Luxembourg .....	....	....	8	224	8	224	8	224	....	....	8	224
Christmas Island	2	14	1	7	3	20	5	27	1	8	6	35
Cyprus .....	....	....	2	12	2	12	4	20	1	13	5	33
Denmark	5	26	26	334	31	361	34	362	....	....	34	362
Formosa	2	8	8	75	10	83	8	76	1	3	9	78
France	5	98	4	61	9	159	11	119	2	47	13	167
Germany, Federal Republic of	24	195	12	161	36	356	32	295	3	42	35	337
Greece	27	220	132	1,821	159	2,041	149	1,920	4	25	153	1,945
Hong Kong	1	5	13	184	14	189	12	162	....	....	12	162
India	8	40	14	256	22	296	28	310	....	....	28	310
Indonesia	3	5	1	1	4	6	4	6	....	....	4	6
Israel	1	27	12	317	13	344	14	349	....	....	14	349
Italy	20	251	12	183	32	433	24	327	1	14	25	341
Japan	72	610	337	4,679	409	5,290	392	4,955	14	254	406	5,209
Korea, Republic of	1	6	5	63	6	69	5	52	....	....	5	52
Kuwait	4	62	14	28	18	89	15	29	3	60	18	89
Liberia	56	633	302	5,072	358	5,705	342	5,414	27	388	369	5,802
Netherlands	17	85	24	188	41	272	51	332	2	14	53	346
New Zealand	5	9	....	....	5	9	....	....	....	....	....	....
Norway	55	390	83	1,667	138	2,058	152	2,054	13	135	165	2,189
Panama	15	127	42	245	57	372	57	302	4	34	61	336
Poland .....	....	....	1	11	1	11	7	28	....	....	7	28
Singapore	32	141	11	34	43	175	39	155	2	3	41	158
Somalia	1	2	5	16	6	18	6	18	....	....	6	18
South Africa	6	34	....	....	6	34	7	40	....	....	7	40
Sweden	18	197	8	68	26	265	17	129	8	134	25	263
United Kingdom	197	1,675	107	1,722	304	3,396	267	2,971	39	360	306	3,330
United States of America .....	....	....	9	104	9	104	....	....	....	....	9	104
U.S.S.R.	9	41	2	3	11	44	13	49	....	....	13	49
Other countries	5	31	5	42	10	73	9	56	....	....	9	56
Total	598	4,994	1,209	17,710	1,807	22,704	1,732	21,003	125	1,534	1,857	22,537

(a) The countries listed separately represent those for which the number of vessels either entered or cleared exceeded 4.

Type of vessel and port	Discharged								Loaded							
	Intrastate		Interstate		Overseas		Total		Intrastate		Interstate		Overseas		Total	
	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment
Liners—																
Port of Fremantle	6,715	7,900	244,222	16,456	144,446	265,319	395,383	289,675	45,195	76,333	89,015	18,288	469,103	116,954	603,313	211,575
Other ports—																
Albany ....	.....	.....	8,823	.....	712	7	9,535	7	404	.....	.....	.....	34,393	784	34,797	784
Barrow Island (b)	3,543	1,307	.....	.....	1,584	.....	5,127	1,307	.....	.....	.....	.....	.....	.....	8,836	4,570
Broome	5,355	7,283	597	287	673	937	6,625	8,507	911	4,257	2	312	7,923	1	1,502	1,086
Bunbury	15	.....	.....	.....	17,041	.....	17,056	.....	.....	810	16,115	.....	146,746	29,057	162,861	29,867
Busselton ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,502	1,086	1,502	1,086
Carnarvon (c) ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	43,908	.....	43,908	.....
Dampier	6,788	9,728	.....	.....	8,187	1,174	14,975	10,902	18	.....	.....	7	.....	.....	18	7
Derby	5,545	11,248	310	94	.....	.....	5,855	11,342	494	2,419	2	146	.....	.....	496	2,565
Esperance ....	.....	.....	.....	.....	.....	.....	.....	.....	690	.....	.....	.....	48,831	.....	49,521	.....
Exmouth ....	.....	200	.....	.....	840	882	840	1,082	.....	.....	.....	.....	45	38	45	38
Geraldton ....	.....	.....	.....	.....	879	184	879	184	232	.....	.....	.....	17,492	.....	17,724	.....
Onslow	1,252	88	.....	.....	.....	.....	1,252	88	571	103	.....	.....	.....	.....	571	103
Port Hedland	7,852	17,331	74	29	14,526	4,440	22,452	21,800	2,950	1,344	50	1,090	41,685	1,733	44,685	4,167
Port Walcott (d)	2,578	535	.....	.....	953	.....	3,531	535	528	161	8	3	.....	.....	536	164
Wyndham	11,206	20,865	2,659	31	790	804	14,655	21,700	1,734	2,054	622	461	10,992	.....	13,348	2,515
Yampi	589	2,772	.....	.....	780	.....	1,369	2,772	288	1,961	26,704	12	.....	.....	26,992	1,973
Total, all ports	51,438	79,257	256,685	16,897	191,411	273,747	499,534	369,901	54,015	89,442	132,518	20,319	822,620	149,653	1,009,153	259,414
Tramps, bulkships—																
Port of Fremantle	236,995	.....	796,853	790	500,394	18,637	1,534,242	19,427	37,774	273	807,761	.....	1,996,304	61,474	2,841,839	61,747
Other ports—																
Albany ....	.....	.....	6,284	.....	157,030	1	163,314	1	.....	.....	.....	.....	208,883	3	208,883	3
Barrow Island (b) ....	.....	.....	1,490	.....	.....	.....	1,490	.....	.....	.....	91,681	.....	.....	.....	91,681	.....
Broome ....	.....	.....	1,642	.....	.....	.....	1,642	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bunbury	6,066	.....	2,501	.....	122,406	.....	130,973	.....	799	.....	39,694	.....	524,837	3,687	565,330	3,687
Carnarvon (c) ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	615,412	.....	615,412	.....
Dampier	6,696	.....	162	.....	3,968	4,723	10,826	4,723	.....	.....	91,197	.....	14,112,689	.....	14,203,886	.....
Esperance ....	.....	.....	.....	.....	82,816	.....	82,816	.....	.....	.....	.....	.....	265,103	.....	265,103	.....
Exmouth	661	.....	2,401	.....	1,058	.....	4,120	.....	.....	.....	.....	.....	.....	.....	.....	.....
Geraldton ....	.....	.....	.....	.....	98,892	.....	98,892	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Hedland	19,114	3,259	8,427	2,401	909	4,062	28,450	9,722	577	25	292,304	.....	1,069,878	.....	1,069,878	.....
Port Walcott (d)	3,202	.....	4,565	.....	.....	.....	7,767	.....	.....	.....	.....	.....	14,399,393	1,744	14,692,274	1,769
Wyndham ....	.....	.....	308	.....	450	.....	758	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yampi	802	92	23,420	.....	.....	.....	24,222	92	235,731	.....	1,800,056	.....	5,443	.....	5,443	.....
Total, all ports	273,536	3,351	848,053	3,191	967,923	27,423	2,089,512	33,965	274,881	298	3,122,693	.....	33,778,761	66,908	37,176,335	67,206

(a) See note *Tonnage of cargo* on page 5.

(b) Buoyed sea terminal.

(c) Includes Cape Cuvier and Useless Loop.

(d) Includes Cape Lambert and Point Samson.

No. 7—Cargo Discharged and Loaded at Ports, by Type of Vessel: 1969-70—continued
(Tons) (a)

Type of vessel and port	Discharged								Loaded							
	Intrastate		Interstate		Overseas		Total		Intrastate		Interstate		Overseas		Total	
	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment
Tankers—																
Port of Fremantle	547,369	....	116,349	....	3,157,190	....	3,820,908	....	442,780	....	557,964	....	100,099	....	1,100,843	....
Other ports—																
Albany	63,217	....	4,839	....	15,485	....	83,541	....	85	....	1,274,770	....	....	....	1,787,652	85
Barrow Island (b)	....	....	....	....	....	....	....	....	512,882	....	....	....	....	....	....	....
Broome	1,620	....	3,116	....	2,422	....	7,158	....	....	....	....	....	....	....	....	....
Bunbury	99,617	....	....	....	....	....	99,617	....	....	....	....	....	....	....	....	....
Carnarvon (c)	10,413	....	....	....	11,791	....	22,204	....	....	....	....	....	....	....	....	....
Dampier	....	....	....	....	133,711	....	133,711	....	....	....	....	....	....	....	....	....
Derby	....	....	....	....	18,444	....	18,444	....	....	....	....	....	....	1	....	1
Esperance	56,432	....	22,227	....	....	....	78,659	....	....	....	....	....	....	....	....	....
Exmouth	22,905	....	....	....	....	....	22,905	....	....	....	....	....	....	....	....	....
Geraldton	59,879	....	11,000	....	....	....	70,879	....	....	....	....	....	....	....	....	....
Port Hedland	96,665	....	....	....	68,767	....	165,432	....	....	....	....	....	....	....	....	....
Port Walcott (d)	....	....	....	....	1,200	....	1,200	....	....	....	....	....	....	....	....	....
Wyndham	2,481	....	....	....	14,101	....	16,582	....	....	....	....	....	....	....	....	....
Yampi	2,000	....	....	....	....	....	2,000	....	....	....	....	....	....	....	....	....
Total, all ports	962,598	....	157,531	....	3,423,111	....	4,543,240	....	955,747	....	1,832,734	....	100,099	1	2,888,580	1
All vessels—																
Port of Fremantle	791,079	7,900	1,157,424	17,246	3,802,030	283,956	5,750,533	309,102	525,749	76,606	1,454,740	18,288	2,565,506	178,428	4,545,995	273,322
Other ports—																
Albany	63,217	....	19,946	....	173,227	8	256,390	8	489	....	....	....	243,276	787	243,765	787
Barrow Island (b)	3,543	1,307	1,490	....	1,584	....	6,617	1,307	512,882	....	1,366,451	....	....	....	1,879,333	....
Broome	6,975	7,283	5,355	287	3,095	937	15,425	8,507	911	4,257	2	312	7,923	1	8,836	4,570
Bunbury	105,698	....	2,501	....	139,447	....	247,646	....	799	810	55,809	....	671,583	32,744	728,191	33,554
Busselton	....	....	....	....	....	....	....	....	....	....	....	....	1,502	1,086	1,502	1,086
Carnarvon (c)	10,413	....	....	....	11,791	....	22,204	....	....	....	....	....	659,320	....	659,320	....
Dampier	13,484	9,728	162	....	145,866	5,897	159,512	15,625	18	....	91,197	7	14,112,689	....	14,203,904	7
Derby	5,545	11,248	310	94	18,444	....	24,299	11,342	494	2,419	2	146	....	1	496	2,566
Esperance	56,432	....	22,227	....	82,816	....	161,475	....	690	....	....	....	313,934	....	314,624	....
Exmouth	23,566	200	2,401	....	1,898	882	27,865	1,082	....	....	....	....	45	38	45	38
Geraldton	59,879	....	11,000	....	99,771	184	170,650	184	232	....	....	....	1,087,370	....	1,087,602	....
Onslow	1,252	88	....	....	1,252	....	88	....	571	103	....	....	....	....	571	103
Port Hedland	123,631	20,590	8,501	2,430	84,202	8,502	216,334	31,522	3,527	1,369	292,354	1,090	14,441,078	3,477	14,736,959	5,936
Port Walcott (d)	5,780	535	4,565	....	2,153	....	12,498	535	528	161	8	3	....	....	536	164
Wyndham	13,687	20,865	2,967	31	15,341	804	31,995	21,700	1,734	2,054	622	461	16,435	....	18,791	2,515
Yampi	3,391	2,864	23,420	....	780	....	27,591	2,864	236,019	1,961	1,826,760	12	580,819	....	2,643,598	1,973
GRAND TOTAL	1,287,572	82,608	1,262,269	20,088	4,582,445	301,170	7,132,286	403,866	1,284,643	89,740	5,087,945	20,319	34,701,480	216,562	41,074,068	326,621

(a) Includes Cape Lambert and Point Samson.

(Tons) (a)

Type of vessel and port	Discharged								Loaded							
	Intrastate		Interstate		Overseas		Total		Intrastate		Interstate		Overseas		Total	
	Weight	Measurement	Weight	Measurement	Weight	Measurement	Weight	Measurement	Weight	Measurement	Weight	Measurement	Weight	Measurement	Weight	Measurement
Liners—																
Port of Fremantle	3,135	10,086	247,991	7,658	167,736	289,944	418,862	307,688	46,467	74,657	138,383	16,339	478,938	99,761	663,788	190,757
Other ports—																
Albany			83		78		161						17,364		17,364	
Barrow Island (b)	372	542			169		541	542	615	812					615	812
Broome	4,915	8,108	378	290	1,370	148	6,663	8,546	200	5,161	105	125	6,836	12	7,141	5,298
Bunbury	63				10,586		10,649		1,845		1,845		153,240	35,296	156,930	35,296
Busselton													327	246	327	246
Carnarvon (c)																
Dampier	8,159	6,250			7,909	536	16,068	6,786	127	384		30			127	414
Derby	4,699	10,631	2,263	47			6,962	10,678	267	1,822	2	156			269	1,978
Esperance									1,678				28,520		30,198	
Exmouth					1,095		1,095						72	24	72	24
Geraldton					742		742						16,827		16,827	
Onslow	1,135	3,312					1,135	3,312	130	159					130	159
Port Hedland	9,423	16,247	12	48	7,620	9,266	17,055	25,561	1,722	2,022		149	310		2,034	2,171
Port Walcott (d)	11,565	3,730			4,382		15,947	3,730	292	386	14	13			306	399
Wyndham	23,513	2,750	2,555		2,376		28,444	2,750	5,201	973	456	69	5,367	1,014	11,024	2,056
Yampi	1,248	2,188			383		1,631	2,188	248	783	5,822				6,070	783
Total, all ports	68,227	63,844	253,282	8,043	204,446	299,894	525,955	371,781	58,792	87,159	146,629	16,881	707,801	136,353	913,222	240,393
Tramps, bulkships—																
Port of Fremantle	81,692		879,418	2,506	471,753	21,400	1,432,863	23,906	67,556	1,300	1,017,620	280	3,443,184	78,059	4,528,360	79,639
Other ports—																
Albany					131,899	34	131,899	34					579,906		579,906	
Barrow Island (b)					1,250	1,885	1,770	1,885					90		90	
Broome	220		300		150,696		150,696		29,626		56,702		604,170	148	690,498	148
Bunbury																
Busselton													1,818,568		1,818,568	
Carnarvon (c)													18,961,368		19,004,442	
Dampier	48,165		5,507		65,584		119,256				43,074					
Derby														4,042		4,042
Esperance					98,405		98,405						558,821	8,493	558,821	8,493
Exmouth	812							812								
Geraldton	15,464		5,020		58,835	10	79,319	10					1,386,677		1,386,677	
Onslow																
Port Hedland	28,162	6,352	16,602	5,575	1,565	6,035	46,329	17,962	714		565,779		22,184,159	342	22,750,652	342
Port Walcott (d)	10,746				15,670		26,416		76						76	
Wyndham					450		450						1,418		1,418	
Yampi	19,362		22,653		181		42,196		80,821		1,303,401		2,066,426		3,450,648	
Total, all ports	204,623	6,352	929,500	8,081	996,288	29,364	2,130,411	43,797	178,793	1,300	2,986,576	280	51,604,787	91,084	54,770,156	92,664

(a) See note Tonnage of cargo on page 5.

(b) Buoyed sea terminal.

(c) Includes Cape Cuvier and Useless Loop.

(d) Includes Cape Lambert and Point Samson.

No. 8—Cargo Discharged and Loaded at Ports, by Type of Vessel: 1970-71—continued
(Tons) (a)

Type of vessel and port	Discharged								Loaded							
	Intrastate		Interstate		Overseas		Total		Intrastate		Interstate		Overseas		Total	
	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment	Weight	Measure- ment
Tankers—																
Port of Fremantle	821,739	....	213,236	....	3,291,081	....	4,326,056	....	487,063	....	465,051	....	191,586	....	1,143,700	....
Other ports—																
Albany	68,595	....	482	....	15,429	....	84,506	....	48	....	....	....	18,588	....	18,636	....
Barrow Island (b)	....	....	....	....	....	....	....	....	819,723	....	1,219,451	....	59,000	....	2,098,174	....
Broome	25,123	....	....	....	4,251	....	29,374	....	....	....	291	....	....	....	291	....
Bunbury	98,102	....	....	....	14,841	....	112,943	....	....	....	....	....	....	....	....	....
Busselton	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Carnarvon (c)	22,334	....	2,158	....	7,960	....	32,452	....	3,497	....	....	....	....	....	3,497	....
Dampier	8,776	....	5,066	....	200,039	....	213,881	....	....	....	....	....	....	....	....	....
Derby	5,244	....	988	....	10,242	....	16,474	....	....	....	....	....	....	....	....	....
Esperance	50,423	....	357	....	52,314	....	103,094	....	....	....	....	....	....	....	....	....
Exmouth	6,792	....	....	....	....	....	6,792	....	....	....	....	....	....	....	....	....
Geraldton	85,838	....	....	....	....	....	85,838	....	....	....	....	....	....	....	....	....
Onslow	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Port Hedland	118,480	....	....	....	32,727	....	151,207	....	989	....	....	....	....	....	989	....
Port Walcott (d)	1,500	....	....	....	7,835	....	9,335	....	2,095	....	....	....	....	....	2,095	....
Wyndham	2,148	....	....	....	13,506	....	15,654	....	....	....	....	....	954	....	954	....
Yampi	5,492	....	....	....	....	....	5,492	....	....	....	....	....	....	....	....	....
Total, all ports	1,320,586	....	222,287	....	3,650,225	....	5,193,098	....	1,313,415	....	1,684,793	....	270,128	....	3,268,336	....
All vessels—																
Port of Fremantle	906,566	10,086	1,340,645	10,164	3,930,570	311,344	6,177,781	331,594	601,086	75,957	1,621,054	16,619	4,113,708	177,820	6,335,848	270,396
Other ports—																
Albany	68,959	....	565	....	147,406	34	216,930	34	48	....	....	....	615,858	....	615,906	....
Barrow Island (b)	372	542	....	....	169	....	541	542	820,338	812	1,219,451	....	59,000	....	2,098,789	812
Broome	30,258	8,108	678	290	6,871	2,033	37,807	10,431	200	5,161	396	125	6,926	12	7,522	5,298
Bunbury	98,165	....	....	....	176,123	....	274,288	....	31,471	....	56,702	....	757,410	35,444	845,583	35,444
Busselton	....	....	....	....	....	....	....	....	....	....	....	....	327	246	327	246
Carnarvon (c)	22,334	....	2,158	....	7,960	....	32,452	....	3,497	....	....	....	1,818,568	....	1,822,065	....
Dampier	65,100	6,250	10,573	....	273,532	536	349,205	6,786	127	384	43,074	30	18,961,368	....	19,004,569	414
Derby	9,943	10,631	3,251	47	10,242	....	23,436	10,678	267	1,822	2	156	4,042	269	6,020	6,020
Esperance	50,423	....	357	....	150,719	....	201,499	....	1,678	....	....	....	587,341	8,493	589,019	8,493
Exmouth	7,604	....	....	....	1,095	....	8,699	....	....	....	....	....	72	24	72	24
Geraldton	101,302	....	5,020	....	59,577	10	165,899	10	....	....	....	....	1,403,504	....	1,403,504	....
Onslow	1,135	3,312	....	....	1,135	....	3,312	....	130	159	....	....	....	....	130	159
Port Hedland	156,065	22,599	16,614	5,623	41,912	15,301	214,591	43,523	3,425	2,022	565,781	149	22,184,469	342	22,753,675	2,513
Port Walcott (d)	23,811	3,732	....	....	27,887	....	51,698	....	2,463	386	14	13	....	....	2,477	399
Wyndham	25,661	2,750	2,555	....	16,332	....	44,548	....	5,201	973	456	69	7,739	1,014	13,396	2,056
Yampi	26,102	2,188	22,653	....	564	....	49,319	....	81,069	783	1,309,223	....	2,066,426	....	3,456,718	783
GRAND TOTAL	1,593,800	70,198	1,495,069	16,124	4,850,959	329,258	7,849,828	415,580	1,551,000	88,459	4,816,153	17,161	52,582,716	227,437	58,949,869	333,057

**No. 9—Cargo Discharged from, and Loaded for, Overseas according to
Geographic Trade Area: 1969-70**

Area	Cargo discharged		Cargo loaded	
	Tons weight (a)	Tons measurement (a)	Tons weight (a)	Tons measurement (a)
North America and Hawaiian Islands—				
Northern Area—				
United States of America—				
East Coast and Great Lakes Ports	140,394	11,473	704,138	1,564
West Coast and Hawaii	30,032	6,995	326,238	39
Canada—				
East Coast and Great Lakes Ports	4,717	1,374	22,415	667
West Coast	95,530	6,462	169,403	....
Central America	32,230	3	633	9
Bermuda and Caribbean Area	10,794	....	89	....
South America	226	43	....	28
Europe (excluding U.S.S.R.)—				
Northwestern, Central and Baltic Area—				
Norway	1,084	3,427	32	4
Sweden	4,363	3,073	2,707	660
Finland	3,259	2,671	8	3
Poland	11,422	9	2,702	....
Germany, East .....	....	....	812	....
Denmark	828	279	173	36
United Kingdom	22,656	28,596	452,445	26,662
Ireland, Republic of .....	....	....	1,819	2,421
Germany, Federal Republic of	3,692	9,175	404,520	5,940
Netherlands	4,977	18,741	1,332,124	2,971
Belgium-Luxembourg	7,263	34,554	545,776	9,002
France—Atlantic Region	16,435	311	671,069	521
Optional ports in more than one country	1,822	3,280	9,114	224
Southern Area—				
France—Mediterranean Region	376	1,057	8,708	968
Spain—				
Atlantic Region	53	542	2,676	....
Mediterranean Region	343	120	920	578
Portugal	520	1,106	389	116
Italy	3,459	12,160	725,816	5,029
Malta .....	....	....	34	5
Yugoslavia .....	....	4	2,166	162
Greece	41	120	204,855	593
Turkey (in Europe and Asia)	9	....	556	737
Optional ports in more than one country	1,688	....	2,812	....
U.S.S.R. (in Europe and Asia) .....	....	15	9,351	745
Africa	8,755	4,744	14,327	10,779
Asia (excluding U.S.S.R.)—				
Western Area	3,453,951	145,605	28,993,771	135,329
Persian Gulf Area				
Southern Area				
South eastern Area				
Eastern Area				
Papua and New Guinea, New Zealand and Pacific Islands—				
Papua and New Guinea .....	....	....	3,709	3,477
New Caledonia .....	....	....	2	2
Fiji .....	....	70	2,340	....
Nauru	407,600	1	....	....
Ocean Island	25,722	....	....	....
Christmas Island (Pacific Ocean) .....	....	....	57	58
New Zealand	9,966	4,001	60,256	4,092
Indian Ocean Islands and Antarctic Region—				
Christmas Island (Indian Ocean)	278,238	1,109	22,315	2,526
Cocos Island .....	....	....	203	570
Antarctica .....	....	50	....	45
TOTAL	4,582,445	301,170	34,701,480	216,562

(a) See note *Tonnage of cargo* on page 5.

**No. 10—Cargo Discharged from, and Loaded for, Overseas according to
Geographic Trade Area: 1970-71**

Area	Cargo discharged		Cargo loaded	
	Tons weight (a)	Tons measurement (a)	Tons weight (a)	Tons measurement (a)
North America and Hawaiian Islands—				
Northern Area—				
United States of America—				
East Coast and Great Lakes Ports	171,827	10,625	829,575	3,112
West Coast and Hawaii	30,417	5,372	467,178	2,015
Canada—				
East Coast and Great Lakes Ports	12,135	2,313	6,490	33
West Coast	91,239	536	96,711	8
Central America	18,279		19	
Bermuda and Caribbean Area	11,120		105	
South America			41,950	23
Europe (excluding U.S.S.R.)—				
Northwestern, Central and Baltic Area—				
Norway	868	2,819	54	28
Sweden	3,378	4,850	3,667	1,356
Finland	3,967	1,151	35	1
Poland	10,696	18	1,884	
Germany, East			876	
Denmark	1,284	494	535	69
United Kingdom	20,196	73,720	1,290,528	46,618
Ireland, Republic of			178	3,147
Germany, Federal Republic of	9,458	13,734	415,403	1,634
Netherlands	3,380	6,828	1,718,919	3,176
Belgium-Luxembourg	5,388	15,278	784,902	2,668
France—Atlantic Region	7,030	426	966,182	198
Optional ports in more than one country	268	1,325	387,672	458
Southern Area—				
France—Mediterranean Region	3,324	2,271	4,076	76
Spain—				
Atlantic Region				
Mediterranean Region	717	1,992	1,982	7
Portugal	37	3,688	645	3
Italy	4,058	12,573	1,335,466	815
Malta			415	20
Yugoslavia	4	43	2,865	27
Greece	1	72	267,470	382
Turkey (in Europe and Asia)			1,684	
Romania			50,150	
Cyprus			8	
U.S.S.R. (in Europe and Asia)	3	18	15,324	
Africa	7,664	5,093	392,161	4,648
Asia (excluding U.S.S.R.)—				
Western Area				
Persian Gulf Area				
Southern Area				
South eastern Area				
Eastern Area				
Papua and New Guinea, New Zealand and Pacific Islands—				
Papua and New Guinea		1,851	9,399	
New Caledonia			18,659	
Fiji		14	2,310	
Nauru	401,847	10		
Ocean Island	75,432	8		
New Zealand	10,442	5,298	90,466	5,214
Indian Ocean Islands and Antarctic Region—				
Christmas Island	179,725	226	27,913	2,574
Cocos Island			63	437
Antarctica			1,000	
TOTAL	4,850,959	329,258	52,582,716	227,437

(a) See note Tonnage of cargo on page 5.

No. 11—Principal Items of Cargo (Overseas, Interstate and Intrastate) Shipped at each Port (a) (Tons) (b)

The information in this table is obtained from data supplied by the several statutory Port Authorities; the Harbour and Light Department; and private operators (in respect of Barrow Island, Cape Cuvier, Dampier, Exmouth, Useless Loop and Yampi).

Port	Cargo	1966-67	1967-68	1968-69	1969-70	1970-71
Port of Fremantle	Alumina	303,007	406,586	596,973	832,416	1,058,850
	Barley	47,094	26,557	45,100	31,399	184,110
	Flour	39,393	45,720	38,309	35,210	29,512
	Iron and steel products	202,402	195,591	600,187	688,288	756,403
	Iron ore	.....	848,959	472,091	367,450	930,342
	Meat (frozen)	23,919	21,958	33,376	51,499	44,142
	Minerals	35,143	32,129	36,587	59,833	61,805
	Oats	64,570	60,944	85,108	2,538	107,026
	Petroleum products	1,474,453	1,310,735	1,343,656	1,197,256	1,274,629
	Timber	27,614	23,050	23,241	17,372	19,601
	Wheat	1,420,781	1,363,426	898,141	960,866	1,422,427
	Wool	142,267	164,250	244,082	(c) 415,518	388,799
	Other	557,450	578,592	583,843	703,775	775,683
	Total	4,338,093	5,078,497	5,000,694	5,363,420	7,053,329
Yampi	Apples	8,595	5,501	6,663	5,384	5,912
	Barley	13,171	15,402	17,642	40,640	93,053
	Meat	2,358	2,545	3,962	5,210	4,132
	Oats	48,858	60,184	75,291	18,840	70,280
	Whale oil	3,016	5,556	3,660	3,887	5,426
	Wheat	255,242	265,960	70,535	158,014	411,333
	Wool	11,507	15,382	20,106	16,377	11,342
	Other	3,799	3,743	4,021	2,879	3,781
	Total	346,546	374,273	201,880	251,231	605,259
Barrow Island (d)	Crude oil	130,830	1,130,063	1,509,645	2,076,433	2,160,897
	Other	2,148	986	342	535	1,289
	Total	132,978	1,131,049	1,509,987	2,076,968	2,162,186
Broome	Drilling equipment	.....	525	2,594	4,304	7,606
	Drilling mud	.....	.....	2,121	3,100	2,904
	Livestock	.....	601	2,412	4,936	3,591
	Meat	2,971	3,432	5,019	4,899	4,128
	Meat by-products	1,497	2,148	2,287	2,234	1,835
	Pearl-shell	229	258	225	267	251
	Wool	90	26	80	273	137
	Other	4,135	8,462	5,221	3,628	4,053
	Total	8,922	15,452	19,959	23,641	24,505
Unbury	Fruit	17,367	11,039	18,510	21,384	23,968
	Mineral sands	446,845	475,701	570,609	609,153	700,291
	Oats	15,222	42,095	24,650	2,980	28,352
	Timber	77,761	89,516	63,996	42,848	62,231
	Wheat	157,779	134,689	95,608	91,862	78,505
	Other	5,736	6,564	3,573	5,213	6,942
	Total	720,710	759,604	776,946	773,440	900,289
Wusselton	Timber	8,210	7,822	5,292	1,990	213
	Titanium dioxide	360	187	.....	.....	40
	Total	8,570	8,009	5,292	1,990	253
Arnarvon (e)	Gypsum	.....	.....	50,018	10,483	74,652
	Salt	.....	55,697	207,365	648,838	1,749,828
	Other	.....	.....	.....	.....	.....
	Total	.....	55,697	257,383	659,321	1,824,480
Dampier	Iron ore (f)	2,526,569	7,132,165	11,237,701	14,498,063	19,630,021
	Other	671	711	54	1,027	.....
	Total	2,527,240	7,132,876	11,237,755	14,499,090	19,630,021
Perby	Livestock	8,975	4,443	1,187	326	544
	Meat	1,417	658	465	59	17
	Rice	732	.....	.....	.....	.....
	Wool	367	391	241	401	87
	Other	3,738	2,981	2,585	2,339	2,618
	Total	15,229	8,473	4,478	3,125	3,266
Esperance	Barley and oats	15,459	25,470	16,754	36,775	77,965
	Copper ore	3,362	3,232	2,732	3,494	1,798
	Nickel	.....	30,269	53,818	147,243	192,791
	Other minerals	.....	1,034	563	697	2,001
	Salt	.....	4,134	.....	35,099	158,037
	Wheat	90,890	62,950	75,785	90,528	149,677
	Other	.....	1,250	3,069	2,372	6,659
	Total	109,711	128,339	152,721	316,208	588,928
Exmouth	Total	470	208	11,224	328	195

(a) Figures for 1969-70 and later do not include bunker oil. Prior to 1969-70, when not reported separately, bunker oil was included. (b) See note *Tonnage of cargo* on page 5. (c) Increase due to change in method of calculating tonnage. (d) Buoyed sea terminal. (e) Includes Cape Cuvier (from 1968-69) and Useless Loop (from 1967-68). Includes pellets.

No. 11—Principal Items of Cargo (Overseas, Interstate and Intrastate) Shipped at each Port (a)—cont
(Tons) (b)

Port	Cargo	1966-67	1967-68	1968-69	1969-70	1970-71
Geraldton	Barley and oats	39,084	21,553	41,813	16,756	127,323
	Iron ore	644,326	578,943	577,097	600,243	691,160
	Manganese	69,888	21,692	50,276	12,062	.....
	Other minerals	1,145	1,157	1,052	.....	.....
	Wheat	356,613	514,654	350,578	484,239	591,325
	Wool	101	226	.....	.....	.....
	Other	6,390	7,456	5,932	3,475	3,414
	Total	1,117,547	1,145,681	1,026,748	1,116,775	1,413,412
Onslow	Wool	851	740	1,008	556	1,101
	Other	551	377	260	280	148
	Total	1,402	1,117	1,268	836	158
Port Hedland	Iron ore	2,277,126	4,033,920	5,490,528	14,181,719	21,902,350
	Manganese	129,476	124,871	138,494	152,542	176,250
	Other minerals	404	84	.....	488	174
	Salt	.....	.....	32,028	539,096	675,927
	Wool	712	374	548	58	.....
	Other	4,837	4,665	2,127	13,130	3,400
	Total	2,412,555	4,163,914	5,663,725	14,887,033	22,758,115
Port Walcott (g)	Asbestos	5,355	.....	.....	.....	.....
	Drilling equipment	.....	582	3,964	1,728	696
	Iron ore	.....	4,955	.....	.....	.....
	Other minerals	107	93	.....	.....	.....
	Wool	541	524	583	283	.....
	Other	760	1,851	862	700	363
	Total	6,763	8,005	5,409	2,711	1,069
Wyndham	Cotton	2,837	4,139	3,878	3,276	2,738
	Cotton seed	5,214	8,170	6,578	5,443	4,573
	Meat	3,952	2,350	5,041	6,094	3,604
	Other	4,658	4,135	6,339	7,763	6,635
	Total	16,661	18,794	21,836	22,576	17,546
Yampi	Iron ore	2,924,718	2,148,211	2,845,694	2,748,632	3,475,627
	Other	217	1,300	1,451	1,862	613
	Total	2,924,935	2,149,511	2,847,145	2,750,494	3,476,240
Total tonnage, all ports		14,688,332	22,179,499	28,744,450	42,749,187	60,459,245

(a) Figures for 1969-70 and later do not include bunker oil. Prior to 1969-70, when not reported separately, bunker oil was included. (b) See note *Tonnage of cargo* on page 5. (g) Includes Cape Lambert and Point Samson.

No. 12—Operations of the Fremantle Port Authority

(Source: Fremantle Port Authority)

Particulars	Unit	1966-67	1967-68	1968-69	1969-70	1970-71
FINANCE						
Capital—						
Fixed assets	\$	29,865,755	31,615,755	32,762,526	34,229,822	35,677,866
Less depreciation and sinking fund	\$	10,567,312	10,805,336	10,818,695	10,832,013	10,845,319
Net capital indebtedness	\$	19,298,443	20,810,419	21,943,831	23,397,809	24,832,547
Earnings	\$	8,045,470	9,638,118	10,009,346	9,919,993	10,832,454
According to source—						
From Shipowners	per cent	33·18	32·92	38·27	40·06	39·80
Cargo owners	per cent	60·12	57·33	53·80	51·65	50·49
Miscellaneous services	per cent	6·70	9·75	7·93	8·29	9·71
Per ton of cargo (a)	cent	*157·98	*166·59	*166·29	153·62	142·50
Working expenses	\$	6,348,683	7,270,130	7,455,044	6,946,102	7,639,235
Per ton of cargo (a)	cent	*124·66	*125·66	*123·85	107·57	100·49
Percentage of earnings	per cent	78·91	75·43	74·48	70·02	70·52
Other charges	\$	1,657,722	2,250,358	2,519,639	2,814,890	3,035,167
Net surplus	\$	39,065	117,630	34,663	159,001	158,052
Net deficiency .....	\$	.....	.....	.....	.....	.....
SHIPPING						
Cargo tonnage (b)—						
Inward—Inner Harbour	ton	*1,424,193	*1,598,701	*1,330,751	1,529,644	1,340,755
Outer Harbour	ton	3,727,947	4,057,810	4,919,838	5,043,611	5,838,514
Total	ton	*5,152,140	*5,656,511	*6,250,589	6,573,255	7,179,269
Outward—Inner Harbour	ton	*2,526,947	*2,551,977	*2,198,756	2,355,361	3,098,825
Outer Harbour	ton	1,974,547	2,772,895	2,950,389	3,008,059	3,954,504
Total	ton	*4,501,494	*5,324,872	*5,149,145	5,363,420	7,053,329
Bunker tonnage—						
Inner Harbour	ton	335,248	454,847	429,850	500,768	546,565
Outer Harbour	ton	91,738	118,409	104,814	98,880	108,352
Total	ton	426,986	573,256	534,664	599,648	654,917
Ships using the port—						
Inner Harbour	number	1,320	1,515	1,475	1,443	1,434
Outer Harbour	number	298	341	361	329	410
Total	number	1,618	1,856	1,836	1,772	1,844
Gross tonnage (b)	ton	14,689,605	15,467,310	15,789,889	17,673,497	18,869,418
Wharf berth accommodation (c)	feet	11,148	11,237	12,787	12,677	13,104

(a) Excluding all shipments to and from BP Refinery (Kwinana) Proprietary Limited.
cargo on page 5.

(c) Inner Harbour only.

* Revised.

(b) See note *Tonnage of*

No. 13—Operations of the Albany Port Authority (a)

(Source: Albany Port Authority)

Particulars	Unit	1966-67	1967-68	1968-69	1969-70	1970-71
FINANCE						
Capital (b)	\$	*3,828,069	3,839,367	4,035,319	4,035,319	4,505,319
Earnings	\$	432,206	520,498	517,573	513,308	548,983
According to source—						
From Shipowners	per cent	24.9	22.5	24.1	20.4	25.2
Cargo owners	per cent	70.8	70.8	70.3	73.1	64.9
Miscellaneous services	per cent	4.3	6.7	5.6	6.5	9.9
Per ton of cargo	cent	74.9	78.1	108.05	95.27	63.49
Working expenses	\$	184,555	188,216	345,192	206,723	236,048
Per ton of cargo	cent	32.0	28.2	72.06	38.37	27.30
Percentage of earnings	per cent	42.7	36.16	66.69	40.27	43.00
Statutory obligations—						
Interest	\$	187,646	194,585	207,226	250,073	285,294
Sinking fund contributions	\$	30,800	32,187	33,692	36,188	38,391
Net surplus	\$	29,205	105,510	....	20,324	....
Net deficiency .....	\$	....	....	68,537	....	10,750

SHIPPING

Cargo tonnage (c)—						
Inward	ton	230,857	292,019	277,126	287,568	228,797
Outward	ton	346,546	374,273	201,880	251,231	605,259
Total	ton	577,403	666,292	479,006	538,799	834,056
Bunker tonnage	ton	15,558	26,913	22,377	23,970	30,632
Ships using the port	number	167	207	166	163	174
Gross tonnage	ton	1,470,857	1,732,551	1,526,892	1,526,078	1,667,731
Wharf berth accommodation	feet	3,615	3,615	3,615	3,363	4,097

(a) Known as the Albany Harbour Board until 1 December 1967.

(b) Provided from General Loan Fund.

(c) See note *Tonnage of cargo* on page 5. * Revised.

No. 14—Operations of the Bunbury Port Authority (a)

(Source: Bunbury Port Authority)

Particulars	Unit	1966-67	1967-68	1968-69	1969-70	1970-71
FINANCE						
Capital (b)	\$	*5,695,122	*5,776,158	*5,969,631	6,009,954	6,359,953
Earnings	\$	708,306	785,020	807,513	835,796	911,005
According to source—						
From Shipowners	per cent	12.5	11.7	9.2	8.6	8.6
Cargo owners	per cent	53.2	58.1	52.4	52.8	52.8
Miscellaneous services	per cent	34.3	30.2	38.4	38.6	38.6
Per ton of cargo	cent	72.4	76.2	75.8	78.4	76.1
Working expenses	\$	274,116	293,675	287,865	283,220	300,566
Per ton of cargo	cent	28.0	28.1	27.0	26.6	25.1
Percentage of earnings	per cent	38.7	37.4	35.6	33.9	33.0
Statutory obligations—						
Interest	\$	291,693	332,376	354,790	397,138	432,266
Depreciation (c)	\$	58,778	64,574	65,822	64,137	64,899
Net surplus	\$	83,719	94,395	99,036	91,301	113,274
Net deficiency .....	\$	....	....	....	....	....

SHIPPING

Cargo tonnage (d)—						
Inward	ton	256,042	279,331	286,598	289,461	291,399
Outward	ton	720,710	759,604	776,946	773,440	900,289
Total	ton	976,752	1,038,935	1,063,544	1,062,901	1,191,688
Bunker tonnage	ton	1,235	3,406	2,502	2,944	5,183
Ships using the port	number	158	161	155	143	155
Gross tonnage	ton	1,371,383	1,356,413	1,407,909	1,318,680	1,364,433
Wharf berth accommodation	feet	4,808	4,808	4,808	4,808	4,808

(a) Known as the Bunbury Harbour Board until 1 December 1967.

(b) Provided from General Loan Fund.

(c) Described as 'depreciation of capital assets'.

(d) See note *Tonnage of cargo* on page 5. * Revised.

RAILWAYS
WESTERN AUSTRALIAN GOVERNMENT RAILWAYS
No. 15—Length of Railway open for Traffic
(Miles)

Division (including branches)	At 30 June—				
	1967	1968	1969	1970	1971
3 ft 6 in gauge—					
Eastern.....	140	140	136	132	132
Eastern Goldfields.....	715	715	715	715	715
East Northam-Mullewa.....	589	593	593	593	593
Northern.....	617	617	617	617	617
Great Southern.....	908	908	908	908	908
South-Western.....	724	724	728	728	737
Total.....	(a) 3,694	(a) 3,698	(a) 3,697	(a) 3,693	(a) 3,702
4 ft 8½ in gauge.....	247	249	377	375	375
Dual gauge.....	66	64	68	74	74

(a) Includes route mileage of 3 ft 6 in gauge line which parallels the 4 ft 8½ in gauge line.

No. 16—Route Mileage and Rolling Stock
(Number)

At 30 June—	Route mileage		Vehicles				
	Rail (a)	Road	Loco- motives	Rail			Road
		Omni- bus		Coaching		Other	Omni- buses (c)
				Ordin- ary	Motor (b)		
1962	3,851	3,265	365	273	58	12,557	51
1963	3,797	3,240	354	250	60	12,639	52
1964	3,677	3,256	328	240	60	12,626	50
1965	3,733	3,732	346	204	62	13,166	65
1966	3,747	3,730	351	199	64	13,146	61
1967	3,815	3,572	361	176	63	13,330	64
1968	3,815	3,958	363	157	81	13,188	61
1969	3,826	4,045	366	142	83	13,077	63
1970	3,828	4,119	332	132	82	13,083	63
1971	3,837	4,044	(d) 241	111	81	13,260	52

(a) Where one gauge parallels another the mileage of parallel route is counted only once.

(b) Includes rail car

trailers.

(c) Includes passenger-freighter omnibuses.

(d) Decrease due to phasing out of steam locomotives.

No. 17—Rolling Stock in Service, by Type of Vehicle

Type of vehicle	At 30 June—									
	1967	1968	1969	1970	1971	1967	1968	1969	1970	1971
	3 ft 6 in gauge					4 ft 8½ in gauge				
Locomotive—										
Steam.....	237	215	204	154	48	....	....	....	....	....
Diesel—										
Electric.....	90	105	105	121	136	19	28	42	42	42
Mechanical.....	4	4	4	4	4	....	....	....	....	....
Hydraulic.....	11	11	11	11	11	....	....	....	....	....
Total.....	342	335	324	290	199	19	28	42	42	42
Coaching stock—										
Passenger car.....	94	75	63	57	37	....	....	....	....	....
Sleeping car.....	59	59	57	52	51	....	....	....	....	....
Lounge, buffet, and dining car.....	11	11	11	11	11	....	....	....	....	....
Rail motor car.....	37	47	47	46	45	....	....	....	....	....
Rail motor trailer.....	26	34	36	36	36	....	....	....	....	....
Other (a).....	12	12	11	12	12	....	....	....	....	....
Total.....	239	238	225	214	192	....	....	....	....	....
Goods stock (b).....	11,842	11,713	11,447	11,259	11,220	447	494	654	840	1,129
Service stock (c).....	933	873	868	875	813	108	108	108	109	98

(a) Consists of inspection, track recorder, ministerial, vice-regal and special cars.

(b) Includes brake vans, goods

wagons, livestock wagons, mineral wagons, etc.

(c) Includes ballast wagons, workmen's vans, ash disposal wagons,

water tanks, etc. Excludes service vehicles shown under 'Coaching stock'; see footnote (a).

WESTERN AUSTRALIAN GOVERNMENT RAILWAYS—*continued*

No. 18—Traffic

Year	Miles			Passenger-journeys		Freight	
	Train (a)	Locomotive and rail car	Omnibus	Railway	Omnibus	Paying	Departmental
	number	number	number	number	number	tons	tons
1961-62	8,065,240	9,752,929	1,556,109	11,906,095	260,972	5,342,311	621,985
1962-63	7,550,509	9,029,550	1,649,327	11,536,462	263,480	4,792,753	528,994
1963-64	7,506,251	9,034,673	1,670,775	10,814,083	250,513	5,187,468	520,790
1964-65	7,561,872	9,219,216	1,948,755	10,394,912	259,973	5,229,230	511,930
1965-66	8,043,281	9,706,517	2,060,657	10,167,851	255,238	6,383,509	452,083
1966-67	8,316,197	10,222,741	1,945,130	9,811,094	237,329	7,872,978	461,449
1967-68	8,372,399	10,449,660	1,874,859	9,970,042	227,901	8,910,464	491,410
1968-69	7,901,145	9,705,532	1,957,638	10,170,457	234,452	8,934,477	517,406
1969-70	7,847,894	9,866,600	1,930,476	10,579,661	221,885	10,665,392	611,388
1970-71	7,943,610	9,964,981	1,866,511	10,919,090	207,108	13,244,439	529,211

(a) Revenue train miles (excluding assistant, light and departmental mileage).

No. 19—Freight Summary

(Excluding railways road services)

Year	Goods train miles	Tons carried	Ton-miles	Earnings	Average train load	Average haul per ton	Average earnings per ton- mile	Density of traffic per average mile worked
	number	number	number	\$	tons	miles	cents	tons
1961-62	5,526,116	5,342,311	831,126,673	29,855,674	166	156	3.59	215,808
1962-63	5,094,701	4,792,753	762,274,264	27,667,682	165	159	3.63	200,734
1963-64	5,155,980	5,187,468	813,319,017	29,434,554	172	157	3.62	221,207
1964-65	5,203,303	5,229,230	842,066,057	30,384,268	174	161	3.61	225,575
1965-66	5,749,441	6,383,509	1,020,769,772	37,040,183	188	160	3.63	272,390
1966-67	6,094,441	7,872,978	1,244,067,065	42,101,273	219	158	3.38	341,247
1967-68	6,155,809	8,910,464	1,571,748,686	45,348,758	272	176	2.89	422,617
1968-69	5,683,989	8,934,477	1,525,834,877	42,652,377	290	171	2.80	377,302
1969-70	5,543,575	10,665,392	1,749,115,578	47,926,386	325	165	2.74	468,729
1970-71	5,565,616	13,244,439	2,077,964,563	52,118,678	394	157	2.51	552,076

No. 20—Commodities Carried

(Excluding railway road services)

(Tons)

Year	Freight classification									
	Wheat	Other agricultural produce	Fer- tilisers	Timber	Coal, etc.	Ores and minerals	Oil in tank wagons	Live- stock	Other	Total
1961-62	1,945,756	566,141	482,495	328,309	648,178	405,155	168,636	125,619	672,022	5,342,311
1962-63	1,480,307	477,957	500,407	311,908	681,793	345,691	179,140	124,808	690,742	4,792,753
1963-64	1,473,981	468,475	521,910	363,069	704,244	626,560	183,781	114,905	730,543	5,187,468
1964-65	1,187,758	431,403	539,718	359,387	757,836	868,019	198,046	100,841	786,222	5,229,230
1965-66	1,966,892	539,142	587,486	367,536	678,385	1,101,842	214,752	106,836	820,638	6,383,509
1966-67	2,338,140	511,825	664,357	363,545	590,994	2,264,298	237,571	97,126	805,122	7,872,978
1967-68	2,276,520	478,101	703,806	392,676	593,394	3,477,873	248,163	87,827	886,104	8,910,464
1968-69	1,512,215	563,680	666,714	332,900	229,242	4,352,432	256,116	87,701	933,477	8,934,477
1969-70	2,280,523	412,764	559,862	333,442	135,129	5,435,810	266,091	84,410	1,157,361	10,665,392
1970-71	2,424,220	843,122	413,765	291,584	186,201	7,471,275	315,711	69,686	1,228,875	13,244,439

WESTERN AUSTRALIAN GOVERNMENT RAILWAYS—continued

No. 21—Operating Revenue

(\$)

Year	Coaching				Goods and livestock (a)	Miscel- laneous	Total
	Passenger fares		Mails and parcels				
	Rail	Road	Rail	Road			
61-62	2,278,816	331,696	1,018,748	100,880	30,304,910	1,572,568	35,607,618
62-63	2,261,652	347,532	1,018,450	106,218	28,181,774	1,513,402	33,429,028
63-64	2,297,452	386,540	1,076,550	115,514	29,872,766	1,440,838	35,189,660
64-65	2,445,594	491,346	1,127,920	131,352	31,035,934	1,454,186	36,686,332
65-66	2,472,000	528,782	1,221,713	156,872	37,708,034	1,581,536	43,668,937
66-67	2,674,816	541,920	1,331,016	151,558	42,771,550	1,649,126	49,119,986
67-68	2,818,426	548,936	1,375,538	154,212	46,097,840	1,777,928	52,772,880
68-69	2,874,048	596,963	1,547,067	152,121	43,375,249	2,012,665	50,558,113
69-70	3,490,183	614,102	1,599,353	152,627	48,580,096	2,803,147	57,239,508
70-71	3,592,122	645,665	1,550,468	174,625	52,761,120	3,193,414	61,917,414

(a) Includes revenue from railways road services.

No. 22—Operating Expenses (a)

(\$)

Year	Maintenance of way and works	Traffic and commercial	Motive power and mechanical	Road services	Other	Total
61-62	5,266,444	7,783,320	14,124,002	406,682	3,946,064	31,526,512
62-63	5,382,446	7,714,790	13,728,276	425,946	3,898,054	31,149,512
63-64	5,512,542	8,157,702	14,074,540	451,208	4,054,496	32,250,488
64-65	5,642,174	8,550,428	13,837,072	660,296	4,230,130	32,920,100
65-66	6,184,749	9,519,270	14,892,048	818,731	4,569,725	35,984,523
66-67	7,506,494	10,777,700	16,144,042	871,125	4,870,456	40,169,817
67-68	7,995,343	11,738,961	16,884,706	886,679	5,117,735	42,623,424
68-69	8,202,471	12,422,175	17,295,817	974,584	5,608,012	44,503,059
69-70	8,858,997	13,152,491	18,655,169	1,034,168	6,849,449	48,550,274
70-71	9,443,708	15,013,711	20,220,418	1,119,209	7,407,773	53,204,819

(a) Excludes interest and depreciation; for 'Net Financial Result' see Table 23.

No. 23—Capital Investment and Net Financial Result

(\$)

Year	Capital investment (a)	Interest charges	Depreciation	Excess of operating revenue over operating expenses	Total deficit
61-62	112,590,830	5,081,870	3,817,990	4,081,106	4,818,754
62-63	117,428,224	5,225,892	3,921,980	2,279,516	6,868,356
63-64	124,033,872	5,577,070	4,049,454	2,939,172	6,687,352
64-65	127,449,338	6,231,836	4,354,444	3,766,232	6,820,048
65-66	133,825,074	7,006,097	4,669,370	7,684,414	3,991,053
66-67	139,392,603	8,068,504	5,340,476	8,950,169	4,458,811
67-68	145,579,669	8,809,562	6,139,917	10,149,456	4,800,023
68-69	155,697,085	9,532,959	6,573,892	6,055,054	10,051,797
69-70	161,786,500	10,630,702	7,631,965	8,689,234	9,573,433
70-71	164,812,755	11,697,388	7,720,538	8,712,595	10,705,331

(a) At 30 June. Includes Stores Fund.

WESTERN AUSTRALIAN GOVERNMENT RAILWAYS—*continued*

No. 24—Employees (a) and Salaries and Wages Paid

Year	Salaried staff		Wages staff	
	Number	Salaries	Number	Wages
1961-62	2,011	\$ 5,421,126	10,276	\$ 20,323,098
1962-63	2,015	5,591,866	10,080	19,664,108
1963-64	2,019	6,177,612	9,663	20,158,080
1964-65	2,054	6,544,092	9,569	20,933,194
1965-66	2,068	6,908,272	9,696	23,213,077
1966-67	2,080	7,435,512	9,520	24,838,627
1967-68	2,123	8,070,774	9,359	25,774,402
1968-69	2,137	8,658,397	9,057	26,794,370
1969-70	2,156	9,733,580	8,719	28,571,471
1970-71	2,161	10,917,373	8,252	30,500,547

(a) At 30 June.

IRON ORE RAILWAYS

No. 25—Railways used for Transport of Iron Ore

Railway (a)					Ore carried on all lines	
Route	Route mileage	Gauge	Enabling Act	Commenced operation (b)	Year	Tons (million)
Westmine-Tilley (c)	13	3 ft 6 in	No. 104 of 1964 (d)	31 January 1966	1967	9.7
Goldsworthy-Port Hedland	71	4 ft 8½ in	No. 97 of 1964 (e)	23 May 1966	1968	15.5
Tom Price-Dampier	182	4 ft 8½ in	No. 24 of 1963 (f)	1 July 1966	1969	26.0
Koolyanobbing-Kwinana	306	4 ft 8½ in	No. 27 of 1961 (g)	10 April 1967	1970	36.6
Newman-Port Hedland	265	4 ft 8½ in	No. 75 of 1964 (h)	18 January 1969	1971	44.7

(a) Privately owned railways, except for the Koolyanobbing-Kwinana line which is part of the Western Australian Government Railways System. (b) Date on which first load of iron ore was dispatched from mine. (c) Privately owned, but operated by the Western Australian Government Railways Commission. Connected at Tilley to the Western Australian Government Railways' line to the port of Geraldton.

(d) Iron Ore (Tallering Peak) Agreement Act, 1964. (e) Iron Ore (Mount Goldsworthy) Agreement Act, 1964. (f) Iron Ore (Hamersley Range) Agreement Act, 1969. (g) Railways (Standard Gauge) Construction Act, 1961. (h) Iron Ore (Mount Newman) Agreement Act, 1964.

ROADS AND ROAD TRAFFIC

roads

The figures in Table 26 were obtained by a survey of local government authorities which was conducted by the Main Roads Department and include both roads controlled by the Department and roads controlled by the local authorities.

The figures shown for the Perth Statistical Division do not relate to 30 June 1969 as the local government authorities in this Division reported figures at various times during the period December 1969 to March 1971. It is considered that this difference in timing does not materially affect the figures shown in the table.

Motor Vehicle Registrations

Under the Traffic Act the licensing of motor vehicles is the responsibility of the Commissioner of Police and of local government authorities. The Commissioner is responsible for the licensing of motor vehicles in the Metropolitan Traffic Area and in each of those local government areas whose Council has relinquished traffic control to the Commissioner of Police. At 30 June 1971, the vehicle licensing power of seven of the 118 local government authorities, wholly or partly outside the Metropolitan Traffic Area, had been transferred to the Commissioner of Police. At the same date the Metropolitan Traffic Area comprised the Cities of Perth, Fremantle, Melville, Nedlands, South Perth, Stirling and Subiaco; the Towns of Canning, Claremont, Cockburn, Cottesloe, East Fremantle and Mosman Park; the Shires of Armadale-Kelmscott, Bassendean, Bayswater, Belmont, Gosnells, Vinawa, Peppermint Grove, Rockingham and Serpentine-Jarrahdale; and part of the Shires of Mundaring and Swan.

The sources of the statistics on motor vehicle registrations are the records of the Police Department and of the individual local authorities. Comprehensive information on the characteristics of motor vehicles on register is obtained at periodic censuses of motor vehicles. The last Census for which final details are available was taken at 31 December 1962. Data relating to motor vehicles on register for years subsequent to a Census are based on records of that Census.

The Perth Statistical Division was constituted with effect from 1 January 1966. It includes the whole of the Metropolitan Traffic Area, the Shires of Kalamunda and Wanneroo in their entirety, and those parts of the Shires of Mundaring and Swan outside the Metropolitan Traffic Area.

Motor Drivers' and Riders' Licences

The Commissioner of Police has the authority under the Traffic Act to issue drivers' and riders' licences throughout the State.

Persons who have not previously held a licence under the Act are issued with a probationary licence, the period of probation being three years. At the end of this period the probationary licence becomes an ordinary licence. In the tables in this section licences are counted once only, *i.e.* a probationary licence which is converted to an ordinary licence is shown only as the issue of a probationary licence.

Persons who have previously held a licence in a place outside the State are issued with an ordinary licence provided that the previous licence had been held for a period of three years.

The Traffic Act provides that the Commissioner of Police may suspend or cancel a driver's licence under certain conditions, one of them being the number or nature of the convictions under the Act or its Regulations. The Act also specifies that where a court suspends the operation of a licence issued on probation or where the holder of a probationary licence is convicted of certain offences then the probationary licence is cancelled.

ROADS

No. 26—Roads Open for Vehicular Traffic at 30 June 1969
Mileage classified according to Statistical Division
(Source: Main Roads Department)

Statistical Division	Formed roads				Unformed roads (b)	Grand total
	Sealed	Gravel surface	Formed only (a)	Total		
Perth Statistical Division	3,762	496	93	4,351	1,639	5,991
Other Statistical Divisions—						
South-West	2,234	2,517	1,380	6,131	12,300	18,431
Southern Agricultural	1,811	1,531	4,994	8,336	2,753	11,090
Central Agricultural	3,345	3,778	7,219	14,342	3,061	17,403
Northern Agricultural	1,970	3,177	3,901	9,049	2,305	11,353
Eastern Goldfields	1,572	1,454	3,588	6,614	5,153	11,767
Central	284	747	2,376	3,408	4,483	7,891
North-West	439	148	1,118	1,705	2,890	4,595
Pilbara	138	515	1,176	1,829	2,310	4,139
Kimberley	424	585	1,463	2,472	2,215	4,688
Total	12,218	14,452	27,215	53,886	37,471	91,357
WESTERN AUSTRALIA	15,980	14,948	27,308	58,237	39,110	97,348

(a) Comprises roads, mainly of natural surfaces, formed but not metalled or otherwise prepared. (b) Roads, prepared except for certain clearing used for vehicular traffic.

MOTOR VEHICLES

No. 27—New Motor Vehicles Registered

Year	Motor cars (a)	Station wagons	Utilities	Panel vans	Trucks	Omnibuses	Motor cycles (b)	Total
PERTH STATISTICAL DIVISION								
1962	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1963	12,847	3,846	1,564	708	826	76	498	20,331
1964	11,832	3,773	1,532	756	945	84	387	19,333
1965	11,798	3,457	1,727	858	1,176	87	395	19,444
1966	13,874	3,882	2,074	1,037	1,171	58	613	22,709
1967	16,533	4,146	2,301	1,257	1,475	122	834	26,668
1968	19,710	4,504	2,444	1,517	1,759	59	955	30,949
1969	22,869	4,720	2,623	1,843	2,028	146	1,017	35,226
1970	24,041	4,402	2,639	1,861	2,059	97	1,365	36,465
1971	25,283	4,363	2,645	2,167	1,760	104	2,254	38,516
WESTERN AUSTRALIA (c)								
1962	16,670	5,151	3,272	1,004	1,760	106	898	28,855
1963	18,426	6,049	3,889	947	1,910	130	683	32,034
1964	17,128	5,982	3,719	1,074	2,098	151	568	30,720
1965	16,988	5,706	4,095	1,181	2,680	174	588	31,442
1966	20,354	6,306	4,740	1,429	2,751	150	926	36,656
1967	23,413	6,394	4,975	1,607	3,181	207	1,317	41,097
1968	27,658	6,814	5,261	1,962	3,292	167	1,622	46,776
1969	31,086	6,637	5,180	2,268	3,394	258	1,661	50,616
1970	31,428	6,038	5,115	2,312	3,240	218	2,305	50,646
1971	32,944	5,889	4,829	2,636	2,909	184	3,306	52,697

n.a. denotes 'not available'.

(a) Includes ambulances and hearses. (b) Includes motor scooters. (c) Includes Commonwealth-owned vehicles other than those of the defence services.

MOTOR VEHICLES—continued

No. 28—Motor Vehicles on Register and Ratio to Population

At 31 December—	Motor cars and station wagons	Light and heavy commercials, omnibuses	Motor cycles and motor scooters	All motor (a)	Estimated number of vehicles per 1,000 of population (b)		Estimated number of persons per vehicle (b)	
					Motor cars and station wagons	All motor vehicles	Motor cars and station wagons	All motor vehicles
PERTH STATISTICAL DIVISION (c)								
1962	113.5	30.9	9.0	153.5	227	307	4.4	3.3
1963 (d)....	126.0	31.6	8.1	165.7	243	320	4.1	3.1
1964 (d)....	136.1	32.3	7.0	175.5	255	329	3.9	3.0
1965 (d)....	146.8	33.9	6.4	187.1	267	340	3.8	2.9
1966 (d)....	164.6	37.5	6.5	208.6	288	365	3.5	2.7
1967 (d)....	179.9	39.9	6.6	226.4	301	379	3.3	2.6
1968 (d)....	199.7	43.6	6.9	250.2	317	398	3.2	2.5
1969 (d)....	222.4	47.5	7.6	277.5	337	421	3.0	2.4
1970 (d)....	242.9	50.3	8.1	301.3	352	437	2.8	2.3
1971 (e)....	251.0	52.5	8.8	312.3	352	437	2.8	2.3
WESTERN AUSTRALIA (f)								
1962	165.6	75.5	12.3	253.4	213	326	4.7	3.1
1963 (d)....	181.4	77.7	11.0	270.1	227	338	4.4	3.0
1964 (d)....	195.8	78.5	9.6	283.9	239	347	4.2	2.9
1965 (d)....	210.7	82.7	8.9	302.4	251	361	4.0	2.8
1966 (d)....	231.9	86.6	8.9	327.3	268	379	3.7	2.6
1967 (d)....	251.7	90.9	9.3	351.9	281	392	3.6	2.5
1968 (d)....	276.0	95.1	10.0	381.1	294	406	3.4	2.5
1969 (d)....	304.1	100.4	11.0	415.5	311	425	3.2	2.4
1970 (d)....	328.3	102.8	12.2	443.3	324	437	3.1	2.3
1971 (e)....	336.6	103.8	13.1	453.5	321	432	3.1	2.3

(a) Figures do not in all cases equal the sum of the numbers shown in the preceding columns owing to rounding to the nearest thousand. (b) Estimates shown for 1966 and later years have been revised in accordance with final results of the 1971 Census of Population. (c) See note on page 29. (d) Subject to revision when final results of the census of motor vehicles on register at 30 September 1971 becomes available. (e) Based on preliminary motor vehicle census figures of 30 September 1971. Not comparable with figures for 1963 to 1970. See footnote (d). (f) Includes Commonwealth Government-owned vehicles (other than those of the defence services) listed with the Commonwealth Motor Vehicle Registry, Canberra. At 31 December 1971 there were in Western Australia 2,321 such vehicles.

MOTOR VEHICLES—continued

No. 29—Motor Drivers' Licences on Issue at 30 June 1971 (a)

(Source: Commissioner of Police for Western Australia)

Age group (years)	Males	Females	Persons	Type of licence		
				Ordinary	Probationary	Total
Under 17	40	18	58	—	58	58
17 to 20	29,711	18,537	48,248	350	47,898	48,248
21 to 24	35,112	23,829	58,941	25,556	33,385	58,941
25 to 29	36,665	25,419	62,084	50,865	11,219	62,084
30 to 39	58,653	40,190	98,843	86,695	12,148	98,843
40 to 49	53,293	30,548	83,841	77,932	5,909	83,841
50 to 59	36,981	18,971	55,952	53,488	2,464	55,952
60 to 74	29,714	10,350	40,064	39,353	711	40,064
75 and over	2,387	419	2,806	2,798	8	2,806
Total	282,556	168,281	450,837	337,037	113,800	450,837

(a) New licences issued during the year ended 30 June 1971 comprised 16,291 private ordinary, 302,05 private probationary (including re-issue of cancelled probationary) and 1,058 bus and taxi licences.

No. 30—Motor Drivers' Licences Suspended or Cancelled (a)

(Source: Commissioner of Police for Western Australia)

Year	Type of licence		
	Ordinary	Probationary	Total
1966-67	3,138	3,685	6,823
1967-68	4,608	5,248	9,856
1968-69	5,590	5,614	11,204
1969-70	6,181	4,212	10,393
1970-71	6,902	4,866	11,768

(a) Suspensions and cancellations imposed during the period, not those in force at the end of the period.

OMNIBUS SERVICES

No. 31—Omnibus Services: Government, Municipal and Private (a)

Year	Omnibuses at end of year	Route miles operated (b)	Omnibus miles run '000	Passenger- journeys '000	Employees at end of year	Operating revenues (c) \$'000	Operating expenses \$'000	Depreci- ation \$'000	Interest \$'000
METROPOLITAN (PERTH) PASSENGER TRANSPORT TRUST (d) (e)									
1966-67	653	626	18,708	53,126	1,764	6,676	6,529	581	426
1967-68	681	642	19,031	52,929	1,753	7,012	6,734	630	452
1968-69	688	628	19,736	54,713	1,737	7,205	7,320	626	463
1969-70	688	633	20,919	55,804	1,752	7,918	8,011	636	505
1970-71	726	748	22,021	57,181	1,795	8,410	9,352	664	553
WESTERN AUSTRALIAN GOVERNMENT RAILWAYS									
1966-67	64	3,572	1,945	237	137	542	597	75	33
1967-68	61	3,958	1,875	228	142	549	610	76	34
1968-69	63	4,045	1,958	234	145	596	635	104	66
1969-70	63	4,119	1,930	206	148	613	654	114	73
1970-71	52	4,044	1,867	207	148	645	712	123	83
THE EASTERN GOLDFIELDS TRANSPORT BOARD									
1966-67	12	*14	185	684	14	57	60	5	....
1967-68	15	*14	232	734	18	69	78	9	(f)
1968-69	19	14	275	791	19	84	82	11	(f)
1969-70	21	14	421	899	19	118	126	13	1
1970-71	13	14	503	667	21	130	138	15	....
PRIVATE									
1966-67	41	4,223	847	1,431	51	238	233	30	3
1967-68	35	3,895	1,231	1,162	48	382	390	30	4
1968-69	37	(g)	1,098	1,199	46	419	440	38	8
1969-70	(h) *161	(g)	(h) 1,830	(h) 1,161	(g)	(h) 767	(g)	(g)	(g)
1970-71	(h) 176	(g)	(h) 2,204	(h) 1,103	(g)	(h) 894	(g)	(g)	(g)

(a) Excludes tourist services. (b) Excludes school bus routes. (c) Passenger fares and subsidies only. (d) For passenger ferry operations see Table 32. (e) Includes operations of trolley-buses until 29 August 1969 when the service was discontinued. (f) Less than \$500. (g) Not available. (h) New series; includes tourist and charter services.
* Revised.

PASSENGER FERRY SERVICE

No. 32—Perth-South Perth Ferry Service (a)

Year	Ferries at end of year	Miles run (b)	Passenger- journeys (b)	Employees at end of year	Operating revenues	Operating expenses	Deprecia- tion	Interest
	number	number	number	number	\$	\$	\$	\$
1961-62	4	22,293	167,521	8	19,778	23,392	1,448	(c)
1962-63	4	22,144	192,448	8	22,442	28,002	1,458	484
1963-64	4	22,262	184,556	8	23,896	30,538	1,652	330
1964-65	5	22,064	201,336	8	30,636	33,900	1,796	660
1965-66	5	21,588	238,273	9	34,200	39,407	493	540
1966-67	5	21,784	253,160	9	40,925	41,096	564	623
1967-68	5	22,308	311,888	9	47,778	47,974	964	814
1968-69	5	22,524	336,146	9	55,368	53,462	1,216	766
1969-70	5	22,328	367,643	9	70,079	58,233	3,152	5,098
1970-71	5	22,392	357,372	9	74,393	66,468	3,188	6,276

(a) Operated by the Metropolitan (Perth) Passenger Transport Trust. (b) Excludes private charter operations.
(c) Not available.

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES

No. 33—Casualty Accidents: Nature of Accident

Nature of accident	1967	1968	1969	1970	1971	
					Perth Statistical Division	Western Australia
CASUALTY ACCIDENTS						
Vehicle colliding with—						
Moving or stationary vehicle (a)	2,413	2,477	2,738	3,041	2,700	3,021
Railway vehicle	14	9	16	16	4	13
Pedestrian	775	790	731	708	598	682
Parked vehicle	134	121	124	123	89	115
Fixed object	13	12	12	10	4	11
Animal	12	14	14	15	8	20
Vehicle overturning or leaving road (b)	1,190	1,182	1,075	1,188	616	1,209
Passenger accident	34	28	25	24	11	19
Other	74	75	74	93	71	88
Total	4,659	4,708	4,809	5,218	4,101	5,178

PERSONS KILLED

Vehicle colliding with—						
Moving or stationary vehicle (a)	94	121	102	117	78	118
Railway vehicle	7	2	1	13	2	3
Pedestrian	59	54	72	74	46	65
Parked vehicle	1	1	5	3	4	10
Fixed object	2	.....	.....	.....	.....	.....
Animal .....	.....	2	2	1	.....	1
Vehicle overturning or leaving road (b)	90	129	121	129	25	125
Passenger accident	3	4	3	6	2	4
Other .....	.....	7	5	8	3	6
Total	256	320	311	351	160	332

PERSONS INJURED

Vehicle colliding with—						
Moving or stationary vehicle (a)	3,646	3,807	4,249	4,705	4,150	4,671
Railway vehicle	15	11	37	11	3	13
Pedestrian	749	777	702	676	576	647
Parked vehicle	180	170	163	151	107	144
Fixed object	25	16	19	10	4	16
Animal	22	17	15	24	8	22
Vehicle overturning or leaving road (b)	1,670	1,648	1,501	1,668	835	1,690
Passenger accident	32	28	22	23	9	16
Other	87	79	80	105	86	109
Total	6,426	6,553	6,788	7,373	5,778	7,328

(a) Excludes parked vehicles.

(b) Includes collisions subsequent to leaving road.

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES—continued

No. 34—Casualty Accidents: Feature of Roadway

Feature of roadway	1967	1968	1969	1970	1971	
					Perth Statistical Division	Western Australia
CASUALTY ACCIDENTS						
Intersection or junction—						
Controlled by police	2	2	.....	1	1	1
Controlled by traffic lights	169	178	228	260	274	274
Controlled by 'Stop' or 'Give Way' sign	392	461	590	852	936	965
Uncontrolled (open view)	1,317	1,242	1,235	1,276	949	1,112
Uncontrolled (obscured view)	150	177	157	167	112	137
Straight road—						
Approximately level	1,572	1,563	1,562	1,699	1,322	1,782
Significant slope	264	260	250	233	155	219
Crest of hill or rise	31	28	33	33	12	28
Curve or turn—						
Level, open view	333	332	291	351	190	356
Level, obscured view	84	100	72	77	36	95
Slope, open view	92	83	103	97	55	85
Slope, obscured view	60	49	65	60	17	52
Bridge, culvert or causeway	37	25	20	44	12	18
Railway crossing	21	15	20	19	6	16
Other locations	40	31	34	32	20	20
Not stated	95	162	149	17	4	18
Total (a)	4,659	4,708	4,809	5,218	4,101	5,178

PERSONS KILLED

Intersection or junction—						
Controlled by police .....	....	....	....	....	....	....
Controlled by traffic lights .....	....	3	3	2	6	6
Controlled by 'Stop' or 'Give Way' sign	7	27	16	29	23	26
Uncontrolled (open view)	33	45	40	50	29	35
Uncontrolled (obscured view)	12	10	3	1	8	8
Straight road—						
Approximately level	113	121	138	140	58	148
Significant slope	23	21	27	30	10	25
Crest of hill or rise	6	6	5	4	1	6
Curve or turn—						
Level, open view	22	47	39	32	14	40
Level, obscured view	6	7	6	10	3	11
Slope, open view	10	14	20	20	4	14
Slope, obscured view	9	7	9	15	1	5
Bridge, culvert or causeway	3	1	2	3	....	4
Railway crossing	7	4	1	13	2	3
Other locations	2	4	....	1	1	1
Not stated	3	3	2	1	....	....
Total (a)	256	320	311	351	160	332

PERSONS INJURED

Intersection or junction—						
Controlled by police	2	2	....	1	1	1
Controlled by traffic lights	230	239	325	381	393	393
Controlled by 'Stop' or 'Give Way' sign	582	705	958	1,291	1,473	1,513
Uncontrolled (open view)	1,938	1,846	1,842	1,922	1,419	1,674
Uncontrolled (obscured view)	240	297	232	251	164	209
Straight road—						
Approximately level	1,923	1,947	1,946	2,153	1,650	2,293
Significant slope	359	345	341	308	197	280
Crest of hill or rise	52	34	52	66	13	35
Curve or turn—						
Level, open view	503	502	417	512	274	507
Level, obscured view	122	142	111	127	53	143
Slope, open view	132	105	158	143	71	107
Slope, obscured view	104	82	114	84	21	89
Bridge, culvert or causeway	51	43	31	61	15	20
Railway crossing	26	16	41	15	7	18
Other locations	44	29	36	34	22	22
Not stated	118	219	184	24	5	24
Total (a)	6,426	6,553	6,788	7,373	5,778	7,328

(a) Includes casualties sustained by pedestrians in accidents which occurred at traffic light signals and road-marked pedestrian crossings.

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES—*continued*

No. 35—Casualty Accidents: Day of Week

Day of week	1967	1968	1969	1970	1971	
					Perth Statistical Division	Western Australia
Monday	533	562	609	609	446	573
Tuesday	516	557	522	591	453	562
Wednesday	532	567	619	616	524	645
Thursday	530	554	630	705	553	667
Friday	836	836	860	901	741	926
Saturday	1,011	997	911	1,043	825	1,056
Sunday	701	635	658	753	559	749
Total	4,659	4,708	4,809	5,218	4,101	5,178

No. 36—Casualty Accidents: Time of Day

Time of day	1967	1968	1969	1970	1971	
					Perth Statistical Division	Western Australia

CASUALTY ACCIDENTS

After	And up to						
Midnight	2 a.m.	262	271	264	300	228	294
2 a.m.	4 a.m.	131	116	124	140	90	123
4 a.m.	6 a.m.	61	68	52	48	45	68
6 a.m.	8 a.m.	256	267	305	321	246	299
8 a.m.	10 a.m.	363	408	423	415	365	434
10 a.m.	noon	348	373	357	396	288	373
noon	2 p.m.	390	347	424	448	333	415
2 p.m.	4 p.m.	501	477	535	574	438	559
4 p.m.	6 p.m.	849	803	848	863	676	865
6 p.m.	8 p.m.	687	675	654	772	596	724
8 p.m.	10 p.m.	366	386	379	422	361	447
10 p.m.	midnight	414	492	408	494	424	542
Not stated		31	25	36	25	11	35
Total		4,659	4,708	4,809	5,218	4,101	5,178

PERSONS KILLED

After	And up to						
Midnight	2 a.m.	18	22	26	24	8	22
2 a.m.	4 a.m.	13	12	20	5	4	12
4 a.m.	6 a.m.	2	11	2	3		4
6 a.m.	8 a.m.	11	10	20	20	8	20
8 a.m.	10 a.m.	12	12	17	18	7	19
10 a.m.	noon	12	11	14	25	10	27
noon	2 p.m.	9	25	16	26	10	20
2 p.m.	4 p.m.	24	54	23	28	20	42
4 p.m.	6 p.m.	31	40	41	44	16	31
6 p.m.	8 p.m.	51	43	50	66	29	50
8 p.m.	10 p.m.	31	20	28	35	20	34
10 p.m.	midnight	37	57	48	53	28	48
Not stated		5	3	6	4		3
Total		256	320	311	351	160	332

PERSONS INJURED

After	And up to						
Midnight	2 a.m.	393	444	426	469	362	459
2 a.m.	4 a.m.	204	156	173	221	126	165
4 a.m.	6 a.m.	87	99	69	61	57	96
6 a.m.	8 a.m.	318	328	370	394	316	399
8 a.m.	10 a.m.	461	549	570	536	453	549
10 a.m.	noon	442	502	490	556	393	501
noon	2 p.m.	530	472	632	644	454	572
2 p.m.	4 p.m.	679	640	753	835	615	809
4 p.m.	6 p.m.	1,135	1,110	1,185	1,146	942	1,216
6 p.m.	8 p.m.	980	946	903	1,118	837	1,011
8 p.m.	10 p.m.	551	548	544	623	531	656
10 p.m.	midnight	612	727	634	739	677	850
Not stated		34	32	39	31	15	45
Total		6,426	6,553	6,788	7,373	5,778	7,328

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES—continued

No. 37—Casualty Accidents: Age and Sex of Casualties

Age group (years)	Persons killed					Persons injured				
	1967	1968	1969	1970	1971	1967	1968	1969	1970	1971
MALES										
Under 5	1	6	8	10	6	138	128	151	135	130
5-6	4	4	4	2	3	70	86	74	65	68
7-16	13	18	16	19	20	502	454	491	454	458
17-20	39	43	39	49	38	946	952	953	1,085	1,046
21-29	35	61	64	61	62	866	920	922	1,072	1,072
30-39	27	27	31	24	30	445	446	461	480	490
40-49	21	24	21	27	21	396	378	389	427	414
50-59	18	25	14	32	24	314	290	235	300	279
60 and over	33	33	40	28	37	265	243	296	290	267
Not stated	2	1	....	....	....	345	396	346	332	293
Total	193	242	237	252	241	4,287	4,293	4,318	4,610	4,517
FEMALES										
Under 5	2	5	5	4	4	96	105	110	103	116
5-6	....	2	2	1	3	51	56	60	52	48
7-16	9	11	11	12	14	290	305	376	361	368
17-20	9	11	17	9	14	398	412	430	539	573
21-29	8	14	6	15	10	319	356	371	482	522
30-39	2	8	4	10	3	182	230	267	285	295
40-49	6	5	6	14	8	207	183	219	270	254
50-59	8	2	7	10	10	168	162	189	180	191
60 and over	19	18	16	24	25	192	166	205	189	214
Not stated	....	2	....	....	....	236	285	243	302	230
Total	63	78	74	99	91	2,139	2,260	2,470	2,763	2,811
PERSONS										
Under 5	3	11	13	14	10	234	233	261	238	246
5-6	4	6	6	3	6	121	142	134	117	116
7-16	22	29	27	31	34	792	759	867	815	826
17-20	48	54	56	58	52	1,344	1,364	1,383	1,624	1,619
21-29	43	75	70	76	72	1,185	1,276	1,293	1,524	1,594
30-39	29	35	35	34	33	627	676	728	765	785
40-49	27	29	27	41	29	603	561	608	697	668
50-59	26	27	21	42	34	482	452	424	480	470
60 and over	52	51	56	52	62	457	409	501	479	481
Not stated	2	3	....	....	....	581	681	589	634	523
Total	256	320	311	351	332	6,426	6,553	6,788	7,373	7,328

No. 38—Casualty Accidents: Type of Road User

Type of road user	Persons killed					Persons injured				
	1967	1968	1969	1970	1971	1967	1968	1969	1970	1971
MALES										
Drivers of motor vehicles	103	128	116	114	118	2,150	2,101	2,186	2,422	2,365
Motor cyclists (a)	6	7	16	8	5	290	291	290	325	386
Pedal cyclists	4	8	7	2	2	309	236	278	206	207
Passengers	39	61	44	72	65	1,072	1,195	1,148	1,214	1,150
Pedestrians	41	38	54	50	44	460	467	408	425	393
Other (b)	....	....	....	6	7	6	3	8	18	16
Total	193	242	237	252	241	4,287	4,293	4,318	4,610	4,517
FEMALES										
Drivers of motor vehicles	10	15	8	23	18	530	579	677	825	863
Motor cyclists (a)	....	....	2	....	....	39	37	35	36	53
Pedal cyclists	....	....	2	2	....	30	39	62	41	35
Passengers	36	45	43	48	53	1,236	1,290	1,371	1,592	1,586
Pedestrians	17	18	19	24	20	303	314	307	264	268
Other (b)	....	....	....	2	....	1	1	18	5	6
Total	63	78	74	99	91	2,139	2,260	2,470	2,763	2,811
PERSONS										
Drivers of motor vehicles	113	143	124	137	136	2,680	2,680	2,863	3,247	3,228
Motor cyclists (a)	6	7	18	8	5	329	328	325	361	439
Pedal cyclists	4	8	9	4	2	339	275	340	247	242
Passengers	75	106	87	120	118	2,308	2,485	2,519	2,806	2,736
Pedestrians	58	56	73	74	64	763	781	715	689	661
Other (b)	....	....	....	8	7	7	4	26	23	22
Total	256	320	311	351	332	6,426	6,553	6,788	7,373	7,328

(a) Includes motor scooter riders.
drawn vehicles.

(b) Includes bystanders, train crews, riders of animals and drivers of animal-

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES—*continued*

No. 39—Motor Drivers and Riders: Licences in Force and Casualties by Age Group

Age group (years)	1968		1969		1970		1971	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Under 17	59	.....	65	.....	64	.....	58	.....
17-20	38,807	10.4	41,964	10.4	45,870	10.6	48,248	10.7
21-24	45,195	12.2	49,961	12.3	54,618	12.7	58,941	13.1
25-29	47,997	12.9	53,499	13.2	58,372	13.5	62,084	13.8
30-39	82,932	22.3	89,032	22.0	94,599	21.9	98,843	21.9
40-49	71,618	19.3	78,102	19.3	81,537	18.9	83,841	18.6
50-59	49,985	13.4	52,853	13.1	54,948	12.7	55,952	12.4
60-74	32,720	8.8	36,546	9.0	38,703	9.0	40,064	8.9
75 and over	2,361	0.6	2,683	0.7	2,788	0.6	2,806	0.6
Age not stated	8	.....	.....	.....	.....	.....	.....	.....
Total	371,682	100.0	404,705	100.0	431,499	100.0	450,837	100.0

DRIVERS' AND RIDERS' LICENCES IN FORCE AT 30 JUNE (a)

DRIVER CASUALTIES, YEAR ENDED 31 DECEMBER (b)								
Under 17	11	0.4	11	0.4	16	0.5	9	0.3
17-20	646	22.9	704	23.6	789	23.3	748	22.2
21-24	466	16.5	500	16.7	596	17.6	577	17.2
25-29	326	11.5	324	10.8	373	11.0	409	12.2
30-39	435	15.4	465	15.6	500	14.8	543	16.1
40-49	350	12.4	383	12.8	450	13.3	424	12.6
50-59	250	8.9	236	7.9	279	8.2	288	8.6
60-74	183	6.5	226	7.6	231	6.8	229	6.8
75 and over	156	5.5	138	4.6	150	4.4	137	4.1
Age not stated	.....	.....	.....	.....	.....	.....	.....	.....
Total	2,823	100.0	2,987	100.0	3,384	100.0	3,364	100.0

DRIVER/RIDER CASUALTIES, YEAR ENDED 31 DECEMBER (c)

Under 17	13	0.4	16	0.5	16	0.4	11	0.3
17-20	782	24.8	824	24.7	944	25.2	946	24.8
21-24	522	16.5	571	17.1	676	18.0	667	17.5
25-29	357	11.3	361	10.8	409	10.9	451	11.8
30-39	472	14.9	501	15.0	535	14.3	580	15.2
40-49	372	11.8	405	12.2	471	12.6	451	11.8
50-59	271	8.6	249	7.5	295	7.9	299	7.9
60-74	188	6.0	240	7.2	235	6.3	239	6.3
75 and over	181	5.7	163	4.9	172	4.6	164	4.3
Age not stated	.....	.....	.....	.....	.....	.....	.....	.....
Total	3,158	100.0	3,330	100.0	3,753	100.0	3,818	100.0

(a) Comprises all classes of licence in force at 30 June of the years shown.
motor-cycle riders.

(c) All motor-vehicle driver and rider casualties.

(b) Excludes casualties sustained by

AIR TRANSPORT

The following table, compiled from details supplied by the Department of Civil Aviation, provides a summary of operations at principal airports in Western Australia during each of the years 1968-69 to 1970-71. The figures refer only to regular public transport operations on scheduled services by licensed airlines, and exclude charter and commuter services, details of which are not available. Commuter service is a term used to describe regular flights by charter firms with small aircraft operating to fixed and published timetables.

No. 40—Civil Aviation: Passengers, Freight, and Aircraft Movements at Principal Airports

Airport	1968-69			1969-70			1970-71		
	Pas- sengers (a)	Freight handled (b)	Aircraft move- ments (c)	Pas- sengers (a)	Freight handled (b)	Aircraft move- ments (c)	Pas- sengers (a)	Freight handled (b)	Aircraft move- ments (c)
	number	short tons (d)	number	number	short tons (d)	number	number	short tons (d)	number
Row Island	3,845	96	947	6,343	115	782	2,233	34	592
Perth	6,960	213	1,957	7,598	224	1,509	10,017	240	1,570
Marvion	7,587	172	1,326	10,075	138	1,550	11,745	142	1,594
Perth	13,816	308	1,336	17,647	304	1,385	48,645	753	2,561
By	18,864	987	2,763	22,556	1,272	2,949	17,928	1,135	2,529
Alton	19,081	87	2,188	18,441	68	1,316	19,640	86	1,564
Goolie	13,616	194	677	24,998	200	952	33,487	331	1,242
Unurra	6,839	330	772	10,618	425	1,762	13,637	428	1,678
Month	5,610	99	1,432	5,954	87	1,428	6,699	107	1,257
Man	(e)	(e)	(e)	10,540	168	1,078	19,329	268	1,534
Aburdo	(f)	(f)	(f)	(f)	(f)	(f)	10,039	156	1,036
Th—									
Internal (g)	357,236	8,320	8,832	420,603	8,004	9,535	510,328	9,744	11,459
International	51,824	756	1,822	60,475	860	2,096	75,354	1,085	3,083
Port Hedland	35,927	1,350	3,042	43,783	1,537	3,127	51,333	1,792	4,715
Perth Price	9,157	194	880	10,750	220	936	16,074	222	1,100
Perth	1,314	40	834	1,699	34	854	2,152	41	704

(a) Total embarked and disembarked. (b) Total of freight loaded and unloaded. (c) Total of arrivals and de-
partures. (d) Short ton = 2,000 lb. (e) Commenced regular transport operations 20 October 1968. Statistics no
available prior to 1969-70. (f) Commenced regular transport operations 7 July 1970. (g) Interstate and intrastate.

No. 41—Civil Aviation: Accidents involving Casualties (a)

Particulars	1966-67	1967-68	1968-69	1969-70	1970-71
WESTERN AUSTRALIA					
Number of—					
Accidents (a)	3	2	3	6	6
Persons killed	3	2	(b) 29	2	10
Persons seriously injured	4	1	2	9	3
AUSTRALIA					
Number of—					
Accidents (a)	38	36	17	46	31
Persons killed	66	47	(b) 47	49	48
Persons seriously injured	24	29	20	40	24

(a) Accidents involving civil aircraft which resulted in death or serious injury. Excludes parachutists killed on contact with earth after an uninterrupted fall. Excludes accidents outside Australia involving aircraft on the Australian register. Includes 26 persons killed in one accident which occurred on 31 December 1968.

COMMUNICATION

POSTMASTER-GENERAL'S DEPARTMENT

No. 42—Employees and Post Offices

Particulars	At 30 June—				
	1967	1968	1969	1970	1971
Employees—					
Full-time—					
Permanent officers	5,344	5,561	5,808	6,001	6,411
Temporary and exempt officers	1,600	1,904	2,156	2,678	2,700
Total	6,944	7,465	7,964	8,679	9,111
Other (a)—					
Non-official postmasters and staff	492	492	482	461	410
Telephone office keepers	224	202	183	161	110
Mail contractors (b)	329	323	323	305	310
Part-time employees	305	314	325	340	310
Total	1,350	1,331	1,313	1,267	1,130
Total, Employees	8,294	8,796	9,277	9,946	10,500
Post offices—					
Official	153	156	158	161	110
Non-official	477	476	468	445	410
Telephone offices	222	198	181	162	110
Total	852	830	807	768	730

(a) Persons employed under contract or on piece-work.

(b) Includes persons employed to drive vehicles.

No. 43—Cash Receipts and Expenditure

In 1968-69 a new system of classification of items of receipt and expenditure was adopted and consequently the figures shown in the table are not comparable with those for 1967-68 and earlier years.

Particulars	1968-69	1969-70	1970-71
	\$'000	\$'000	\$'000
Cash Receipts (a)—			
Postal	10,698	11,567	13,577
Telephone	26,818	30,452	37,631
Telegraph	1,199	1,523	1,944
Proceeds of sales	375	493	480
Recoverable works	1,914	2,058	2,150
International services	152	223	182
Total	41,155	46,317	55,970
Cash Expenditure (b)—			
Salaries and wages	27,139	32,585	37,938
Material	22,390	26,203	22,463
Carriage of mails by contractors	749	781	849
Buildings, sites, properties	3,122	6,025	4,377
Accommodation services	1,805	2,026	2,195
Other administrative expenses (c)	3,343	4,224	4,532
Total	58,547	71,844	72,356

(a) Actual collections during the year as taken from the cash records of the Post Office. (b) Actual payments made during the year for all Post Office purposes. (c) Major items within this classification are travelling allowances, repairs to plant, engineering contract works and hire of vehicles.

POSTMASTER-GENERAL'S DEPARTMENT—*continued*

No. 44—Telegraphs and Telephones: Mileage of Conductors and Pole Routes

At 30 June—	Cable— Single wire mileage	Conduit— Duct miles	Aerial— Single wire mileage	Pole route— miles
7	1,152,973	1,407	128,326	17,295
8	1,274,360	1,578	128,429	17,579
9	1,495,838	1,779	125,206	16,835
0	1,734,323	2,056	117,398	15,672
1	2,046,138	2,418	114,257	15,406

No. 45—Telegraphs

Year	Number of offices at 30 June	Telegrams and cables			
		Within Australia	Beyond Australia		
		Dispatched	Dispatched	Received	Total
6-67	852	'000 2,245	'000 119	'000 107	'000 227
7-68	830	2,359	133	(a)	(a)
8-69	807	2,516	152	(a)	(a)
9-70	768	2,487	188	(a)	(a)
0-71	752	2,259	181	(a)	(a)

(a) Not available.

No. 46—Telephones and Exchanges
(number)

At 30 June—	Telephone exchanges	Services			Telephones in service	Telephones per 100 of popula- tion (b)
		Metropolitan (a)	Country	Total		
.....	750	93,528	44,161	137,689	191,031	21.7
.....	745	101,451	48,211	149,662	208,343	22.8
.....	749	112,510	53,181	165,691	231,845	24.3
.....	746	127,199	58,857	186,056	256,303	25.9
.....	744	136,810	62,748	199,558	285,480	27.8

(a) Services connected to exchanges located within 10 miles of the General Post Office, Perth. (b) Figures for 1967 subsequent years have been revised in accordance with preliminary results of the 1971 Census of Population.

No. 47—Teleprinter Exchange Network (Telex)
(number)

Particulars	1966-67	1967-68	1968-69	1969-70	1970-71
Number of—					
Services at 30 June	271	354	477	686	887
Internal calls (a)	479,975	733,638	932,049	1,319,886	1,673,421

(a) Includes Post Office official traffic. The introduction of new statistical sampling equipment has enabled a more rate assessment of the number of automatic calls and the figures have been appropriately adjusted.

POSTMASTER-GENERAL'S DEPARTMENT—*continued*No. 48—Postal Articles Handled (a)
(Thousands)

Year	Ordinary postal articles		Parcels (b)	Registered matter (c)	Total
	Letter form	Other			
1966-67	153,082	13,861	1,149	663	168,755
1967-68	159,093	13,252	1,158	667	174,170
1968-69	153,580	13,753	1,039	687	169,059
1969-70	159,151	14,104	1,381	751	175,387
1970-71	158,178	13,719	1,417	718	174,032

POSTED FOR DELIVERY WITHIN AUSTRALIA

1966-67	153,082	13,861	1,149	663	168,755
1967-68	159,093	13,252	1,158	667	174,170
1968-69	153,580	13,753	1,039	687	169,059
1969-70	159,151	14,104	1,381	751	175,387
1970-71	158,178	13,719	1,417	718	174,032

POSTED FOR DELIVERY OVERSEAS

1966-67	6,827	1,050	32	60	7,969
1967-68	7,333	995	42	78	8,448
1968-69	8,218	985	40	84	9,327
1969-70	9,165	1,009	53	96	10,323
1970-71	9,724	878	46	110	10,758

RECEIVED FROM OVERSEAS

1966-67	5,213	6,653	93	50	12,019
1967-68	8,508	6,948	106	53	15,615
1968-69	5,118	6,204	119	56	11,497
1969-70	5,679	3,344	133	67	9,222
1970-71	7,036	2,931	137	65	10,169

TOTAL

1966-67	165,122	21,564	1,275	773	188,734
1967-68	174,934	21,195	1,306	799	198,234
1968-69	166,916	20,942	1,198	828	189,883
1969-70	173,995	18,457	1,567	914	194,933
1970-71	174,939	17,528	1,600	893	194,960

(a) Excludes matter received from other Australian States.
parcels.

(b) Includes registered, cash on delivery, and

(c) Excludes registered parcels; see note (b).

No. 49—Postal Orders and Money Orders

Category	1966-67		1967-68		1968-69		1969-70		1970-71	
	Number ('000)	Value (\$'000)	Number ('000)	Value (\$'000)	Number ('000)	Value (\$'000)	Number ('000)	Value (\$'000)	Number ('000)	Value (\$'000)
Postal orders—										
Issued	806	1,262	899	1,806	997	2,309	1,070	2,645	1,295	4,000
Paid—										
Issued within the State	817	1,274	890	1,703	983	2,272	703	1,932	850	2,000
Issued in other States	185	151	73	104	77	138	89	164	108	100
Total, Paid	1,002	1,426	963	1,807	1,061	2,410	791	2,097	957	3,000
Money orders—										
Within the Commonwealth—										
Issued	905	28,847	904	32,057	801	18,207	783	17,123	661	16,000
Paid	827	27,947	814	30,867	703	16,835	709	15,836	553	15,000
Beyond the Commonwealth—										
Issued	44	295	45	355	49	452	46	599	50	500
Paid	16	285	17	276	20	313	20	361	21	200
Total Money orders—										
Issued	948	29,141	949	32,412	850	18,659	829	17,722	711	16,000
Paid	843	28,232	832	31,143	723	17,149	729	16,197	574	15,000

RADIOCOMMUNICATION, BROADCASTING AND TELEVISION

No. 50—Authorised Civil Radiocommunication Stations

Type of station	Number at 30 June—				
	1967	1968	1969	1970	1971
Transmitting and receiving—					
Fixed stations (a)—					
Aeronautical	17	17	17	17	18
Services with other countries	10	10	13	13	13
Outpost (b)	430	434	434	428	413
Other	175	242	282	292	368
Total	632	703	746	750	812
Land stations (c)—					
Aeronautical	29	34	38	38	42
Base stations—					
Land mobile services	530	693	876	1,114	1,294
Harbour mobile services	33	39	41	37	41
Coast (d)	30	39	43	50	52
Special experimental	57	64	66	70	68
Total	679	869	1,064	1,309	1,497
Mobile stations (e)—					
Aeronautical	316	381	452	510	521
Land mobile services	4,534	6,332	8,106	10,659	12,335
Harbour mobile services	142	186	208	209	195
Outpost (b)	507	591	729	841	1,000
Ship	552	946	1,154	1,269	1,357
Total	6,051	8,436	10,649	13,488	15,408
Amateur	397	415	436	495	508
Total, Transmitting and receiving	7,759	10,423	12,895	16,042	18,225
Receiving only (fixed) (a)	55	57	57	57	87
GRAND TOTAL	7,814	10,480	12,952	16,099	18,312

(a) Stations established at fixed locations for communication with other stations similarly established. (b) Stations established in outback areas for communication with control stations such as those of the Royal Flying Doctor Service. (c) Stations established at fixed locations for communication with mobile stations. (d) Land stations for communication with ocean-going vessels. (e) Equipment installed in aircraft (aeronautical), motor vehicles (land mobile services), harbour vessels (harbour mobile services) and ocean-going vessels (ship), and mobile equipment belonging to organisations such as the Royal Flying Doctor Service.

No. 51—Broadcasting Stations at 30 June 1971

NATIONAL STATIONS					COMMERCIAL STATIONS				
Type and location	Call sign	Frequency (kHz)	Aerial power (watts)	Hours of service per week (a)	Type and location	Call sign	Frequency (kHz)	Aerial power (watts)	Hours of service per week (a)
Medium frequency—					Perth	6IX	1,080	2,000	168
Perth	6WF	720	50,000	126	Perth	6KY	1,210	2,000	168
Perth	6WN	810	10,000	125½	Perth	6PM	1,000	2,000	168
Albany	6AL	650	400	126	Perth	6PR	880	2,000	168
Broome	6BE	676	50	126	Albany	6VA	780	2,000	123
Busselton	6BS	680	4,000	126	Bridgetown	6BY	900	2,000	113
Carnarvon	6CA	850	200	126	Bunbury	6TZ	960	2,000	124½
Dalwallinu	6DL	530	10,000	126	Collie	6CI	1,130	2,000	124½
Derby	6DB	870	2,000	126	Geraldton	6GE	1,010	2,000	121
Esperance	6ED	840	1,000	126	Kalgoorlie	6KG	980	2,000	117
Geraldton	6GN	830	2,000	126	Katanning	6WB	1,070	2,000	116
Kalgoorlie	6GF	660	2,000	126	Merredin	6MD	1,100	2,000	119
Northam	6NM	600	200	126	Narrogin	6NA	920	2,000	121½
Port Hedland	6PH	600	2,000	126	Northam	6AM	860	2,000	120
Wagin	6WA	560	50,000	126					
High frequency—									
Perth	VLW	(b)	(b)	126					

(a) To the nearest quarter hour. (b) The station operates two transmitters, of 10,000 and 50,000 watts. Frequencies are varied as required to obtain optimum results.

RADIOCOMMUNICATION, BROADCASTING AND TELEVISION—*continued*

No. 52—Television Stations at 30 June 1971

Call sign and channel	Area served	Location of transmitter	Authorised frequencies (mHz)	Polarisation and authorised power (KW e.r.p.) (a)	Hours of service per week (b)	Date of commencement of operations (c)
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NATIONAL STATIONS (d)

ABAW-2	Southern Agricultural	Mount Barker	Vision 63-70 Sound 64.24 69.74	Vertical Vision 100 Sound 20	84½	6 June 1966
ABCW-4	Central Agricultural	Mawson Trig	Vision 94-101 Sound 95.26 100.76	Horizontal Vision 100 Sound 20	84½	28 March 1966
ABGW-6	Geraldton	Geraldton	Vision 174-181 Sound 175.26 180.76	Horizontal Vision 10 Sound 2	84½	8 December 1966
ABKW-6	Kalgoorlie	Kalgoorlie	Vision 174-181 Sound 175.25 180.75	Horizontal Vision 4 Sound 0.8	84½	27 January 1967
ABNW-7	Norseman	Norseman Microwave Repeater	Vision 181-188 Sound 182.24 187.74	Horizontal Vision 0.05 Sound 0.01	84½	14 April 1971
ABSW-5	Bunbury	Mount Lennard	Vision 101-108 Sound 102.25 107.75	Horizontal Vision 100 Sound 20	84½	10 May 1965
ABW-2	Perth	Bickley	Vision 63-70 Sound 64.25 69.75	Horizontal Vision 100 Sound 20	84½	7 May 1960

COMMERCIAL STATIONS

BTW-3	Bunbury	Mount Lennard	Vision 85-92 Sound 86.24 91.74	Horizontal Vision 50 Sound 10	40¾	10 March 1966
GSW-9	Southern Agricultural	Mount Barker	Vision 195-202 Sound 196.24 201.74	Vertical Vision 50 Sound 10	40¾	23 August 1966
STW-9	Perth	Bickley	Vision 195-202 Sound 196.25 201.75	Horizontal Vision 100 Sound 20	93½	12 June 1965
TVW-7	Perth	Bickley	Vision 181-188 Sound 182.25 187.75	Horizontal Vision 100 Sound 20	93½	16 October 1966
VEW-8	Kalgoorlie	Kalgoorlie	Vision 188-195 Sound 189.25 194.75	Horizontal Vision 4 Sound 0.8	28	18 June 1971

(a) Effective radiated power. (b) To the nearest quarter hour. (c) Date on which full-scale transmission began. (d) At 30 June 1971 one national translator station was in operation in Western Australia, at Kambalda receiving signals from station ABKW-6 Kalgoorlie. Translator stations are low-powered stations which receive signals from a parent station or another translator station and re-transmit those signals on a different frequency channel.

RADIOCOMMUNICATION, BROADCASTING AND TELEVISION—continued

No. 53—Receiving Licences: Number and Revenue

Class of licence	Number in force at 30 June—				
	1967	1968	1969	1970	1971
BROADCAST LISTENERS' LICENCES					
Ordinary	34,702	36,857	33,933	28,961	24,574
Hire's	12	12	55	56	106
Lodging house	43	196	724	1,447	1,590
Pensioners'	9,411	8,900	8,124	7,236	6,168
Total	44,168	45,965	42,836	37,700	32,438
TELEVISION VIEWERS' LICENCES					
Ordinary	12,051	11,700	11,525	10,923	10,385
Hire's	15,531	16,149	22,230	23,871	27,280
Lodging house	342	519	778	1,804	1,925
Pensioners'	1,721	1,873	1,977	2,115	2,160
Total	29,645	30,241	36,510	38,713	41,750
COMBINED RECEIVING LICENCES					
Ordinary	111,398	115,867	125,131	134,558	141,815
Pensioners'	17,230	18,802	20,948	23,557	25,425
Blind persons'	396	722	718	864	892
Schools'	379				
Total	129,403	135,391	146,797	158,979	168,132
REVENUE FROM LICENCES					
	1966-67	1967-68	1968-69	1969-70	1970-71
	\$	\$	\$	\$	\$
All classes— Revenue from broadcast listeners', television viewers' and combined receiving licences	*2,570,450	2,665,963	3,127,068	3,483,474	3,689,269

* Revised.

STATISTICAL SUMMARY

No. 54—Railways and Shipping

Year	State Government railways (a)				Private Railways	Shipping (e) (f)	
	Route miles at end of year (b)	Operating revenue (c)	Operating expenses (c)	Paying goods and livestock carried (c)	Route miles at end of year (d) (e)	Clearances to ports outside the State	
						Number	Net tons
		\$'000	\$'000	'000 tons			'000
1870	34	5	8	2	38	131	61
1880	188	90	103	61	385	168	12
1890	1,355	2,519	1,723	1,384	623	267	42
1900	2,145	3,275	2,194	2,242	902	747	1,600
1910	3,539	4,584	4,001	2,614	918	726	2,37
1920						729	2,658
1921	3,539	5,440	4,844	2,604	895	789	2,82
1922	3,539	5,656	4,658	2,548	878	874	3,23
1923	3,555	5,832	4,421	2,624	865	709	3,08
1924	3,629	6,455	4,596	3,023	812	673	3,10
1925	3,733	6,719	4,710	3,285	854	805	3,65
1926	3,865	6,675	5,018	3,237	884	685	3,25
1927	3,918	7,216	5,371	3,439	872	799	3,79
1928	3,977	7,716	5,822	3,698	838	812	3,80
1929	4,079	7,600	6,111	3,670	842	808	3,67
1930	4,111	7,318	6,226	3,530	847	794	3,93
1931	4,181	6,398	5,222	3,154	826	742	3,68
1932	4,235	5,845	4,247	2,848	830	694	3,53
1933	4,338	5,864	4,223	2,840	845	691	3,56
1934	4,360	5,839	4,373	2,652	854	683	3,56
1935	4,359	6,624	4,765	2,903	869	730	3,77
1936	4,358	6,892	4,976	2,887	880	725	3,83
1937	4,357	6,924	5,240	2,798	873	761	3,75
1938	4,376	7,356	5,420	3,062	854	866	4,11
1939	4,378	7,198	5,823	2,859	844	930	4,32
1940	4,381	7,112	5,657	2,659	831	805	3,75
1941	4,381	7,144	5,516	2,604	815	556	3,08
1942	4,381	7,993	6,052	2,638	818	492	2,507
1943	4,381	8,836	6,895	2,505	849	312	1,467
1944	4,381	8,773	7,592	2,560	829	385	1,580
1945	4,381	8,552	7,529	2,904	798	382	1,528
1946	4,381	8,213	8,053	2,728	706	490	2,473
1947	4,348	8,092	8,848	2,577	759	572	2,646
1948	4,348	9,198	11,140	2,858	739	752	3,43
1949	4,321	10,430	13,405	2,737	734	950	4,67
1950	4,252	12,944	15,003	2,843	774	1,006	5,27
1951	4,228	14,392	17,238	3,033	752	1,060	5,55
1952	4,113	18,327	21,331	3,063	752	1,045	5,52
1953	4,108	15,945	24,175	2,619	724	1,025	5,40
1954	4,111	22,749	27,512	3,206	758	1,005	5,32
1955	4,111	25,061	27,871	3,407	748	1,136	6,14
1956	4,119	26,548	29,986	3,793	726	1,268	6,77
1957	4,117	28,088	32,023	4,223	706	1,244	6,53
1958	4,117	25,950	29,685	3,589	575	1,219	6,48
1959	4,117	27,400	29,865	3,913	575	1,282	6,60
1960	4,120	30,077	30,816	4,533	517	1,403	7,2
1961	4,123	33,076	31,103	4,833	469	1,598	8,54
1962	(g) 3,851	35,608	31,527	5,342	(h) 558	1,687	8,96
1963	(g) 3,797	33,429	31,150	4,793	552	1,528	8,25
1964	(g) 3,677	35,190	32,250	5,187	413	1,580	8,62
1965	3,733	36,686	32,920	5,229	(i) 21	1,560	8,59
1966	3,747	43,669	35,985	6,384	(j) 286	1,711	9,52
1967	3,815	49,120	40,170	7,873	283	1,690	10,97
1968	3,815	52,773	42,623	8,910	283	1,770	12,91
1969	3,826	50,558	44,503	8,934	(k) 548	1,848	15,37
1970	3,828	57,240	48,550	10,665	549	2,165	21,00
1971	3,837	61,917	53,205	13,244	549	2,499	27,76

(a) From 1900, year ended 30 June. (b) Open for general and passenger traffic. (c) From 1942 includes operations of Railway Road Services, which began in November 1941. (d) From 1900 to 1964 includes 277 miles of line open for general and passenger traffic. (e) From 1915, year ended 30 June. (f) From 1966-67 excludes vessels of 200 tons and under. (g) Decrease due to proclamations of closure issued by authority of the *Railways (Cue-Big Bell and other Railways) Discontinuance Act, 1960*. (h) Increase due to the transfer of all government-operated timber railways to private control. (i) Decrease due to transfer of Midland Railway Company to Western Australian Government Railways, and to closure of timber and mining railways. (j) Increase due to opening of Goldsworthy-Port Hedland-Tom Price-Dampier and Westmine-Tilley iron-ore railways. (k) Increase due to opening of Newman-Port Hedland iron-ore railway.

No. 55—Motor Vehicle Registrations

Year	New motor vehicles registered (a)				Motor vehicles on register (b)			
	Motor cars (c)	Utilities, vans, trucks and omnibuses	Motor cycles (d)	Total	Motor cars (e)	Utilities, vans, trucks and omnibuses	Motor cycles (d)	Total
60								
70								
80								
90								
00								
10					n.a.			
11								
12								
13								
14								
15						n.a.	n.a.	n.a.
16								
17								
18	n.a.	n.a.	n.a.	n.a.	2,538			
19					2,938			
20					3,404			
21					4,181			
22					4,403			
23					7,280			
24					11,162			
25					15,261			
26					20,011			
27					19,451	5,819		
28					24,205	8,104		
29					27,174	9,767		
30					31,130	11,358	7,707	50,195
31					27,741	10,880	6,777	45,398
32					28,608	12,094	6,700	47,402
33					27,969	12,626	6,700	47,295
34					28,761	13,937	6,284	48,982
35					30,578	15,530	6,597	52,705
36					32,329	17,362	6,861	56,552
37					34,180	19,919	6,977	61,076
38					36,386	22,596	7,079	66,061
39	3,297	1,814	568	5,679	38,039	24,441	7,199	69,679
40	2,871	1,517	399	4,787	38,907	25,026	6,789	70,722
41	1,015	632	200	1,847	36,995	24,788	6,704	68,487
42	250	353	74	677	29,022	21,625	4,057	54,704
43	218	151	57	426	29,750	21,189	3,935	54,874
44	19	1,102	109	1,230	30,295	22,459	4,324	57,078
45	40	597	192	829	30,635	23,943	4,501	59,079
46	101	456	271	828	31,408	28,904	6,799	67,111
47	1,354	1,126	678	3,158	32,879	32,097	8,199	73,175
48	2,963	1,975	1,059	5,997	35,596	35,285	8,877	79,758
49	4,684	3,122	1,769	9,575	40,119	38,901	10,974	89,994
50	8,926	4,707	2,346	15,979	48,632	43,206	12,897	104,735
51	8,201	6,610	2,802	17,613	56,235	47,908	14,535	118,678
52	8,836	5,750	2,740	17,326	64,277	52,627	16,047	132,951
53	6,879	4,881	1,416	13,176	69,917	56,445	15,565	141,927
54	9,926	5,601	1,258	16,785	78,312	60,362	15,243	153,917
55	12,394	5,993	1,202	19,589	90,255	63,870	14,662	168,787
56	10,100	5,203	1,089	16,392	99,206	62,809	12,959	174,974
57	9,321	4,418	1,192	14,931	104,506	63,315	12,731	180,552
58	10,140	5,562	1,702	17,404	111,825	63,598	12,631	188,054
59	10,389	5,140	2,071	17,600	119,957	65,588	12,814	198,359
60	13,492	5,695	1,949	21,136	130,476	68,702	12,876	212,054
61	15,161	5,542	1,080	21,783	141,612	70,974	12,589	225,175
62	17,082	5,833	902	23,817	155,447	74,224	12,390	242,061
63	23,175	6,367	754	30,296	170,781	75,748	11,649	258,178
64	24,958	7,013	628	32,599	189,251	78,239	10,449	277,939
65	23,304	6,897	553	30,754	202,914	79,316	9,244	291,474
66	23,418	9,170	706	33,294	219,816	84,423	8,777	313,016
67	27,922	9,404	1,158	38,484	240,519	87,661	8,881	337,061
68	33,368	10,448	1,525	45,341	263,552	92,563	9,632	365,747
69	35,379	11,018	1,539	47,936	288,731	96,624	10,427	395,782
70	37,764	11,138	1,945	50,847	316,401	102,291	11,677	430,369
71	37,769	10,872	2,718	51,359	346,040	107,616	13,166	466,822

n.a. denotes 'not applicable' or 'not available'.

(a) Year ended 30 June. (b) From 1929, at 30 June; for earlier years, at various dates. For years before 1946, includes Commonwealth-owned vehicles; from 1946, includes Commonwealth-owned vehicles other than those of defence forces. From 1956, new series based on the results of the periodic Census of Motor Vehicles. (c) From 1959, includes station wagons previously included with utilities, vans, trucks and omnibuses. (d) Including motor scooters. From June 1956, includes station wagons previously included with utilities, vans, trucks and omnibuses.

No. 56—Road Traffic Accidents Involving Casualties

Summary of Road Traffic Accidents and Casualties

Year	Perth Statistical Division				Western Australia			
	Casualty accidents	Casualties			Casualty accidents	Casualties		
		Killed	Injured	Total		Killed	Injured	Total
1950					1,897	161	2,370	2,531
1951					2,193	173	2,782	2,955
1952					2,361	187	2,876	3,063
1953					2,906	192	3,664	3,856
1954					3,289	185	4,309	4,494
1955					3,158	199	3,987	4,186
1956					3,036	182	3,889	4,071
1957					3,220	152	4,068	4,220
1958	(a)	(a)	(a)	(a)	3,451	183	4,478	4,661
1959					3,521	171	4,624	4,795
1960					3,713	199	4,862	5,061
1961					3,528	172	4,779	4,951
1962					3,685	177	5,077	5,254
1963					4,057	198	5,399	5,597
1964					4,062	222	5,450	5,672
1965					4,170	252	5,638	5,890
1966	3,265	128	4,431	4,559	4,346	253	5,997	6,250
1967	3,590	116	4,894	5,010	4,659	256	6,426	6,682
1968	3,705	148	5,118	5,266	4,708	320	6,553	6,873
1969	3,875	156	5,405	5,561	4,809	311	6,788	7,099
1970	4,183	180	5,832	6,012	5,218	351	7,373	7,724
1971	4,101	160	5,778	5,938	5,178	332	7,328	7,660

(a) Not available.

No. 57—Road Traffic Accidents Involving Casualties

Accident Rate and Casualty Rate

Year	Accident rate		Casualty rate			
	Casualty accidents		Per 10,000 motor vehicles on register		Per 100,000 of mean population (a)	
	Per 10,000 motor vehicles on register	Per 100,000 of mean population (a)	Persons killed	Persons injured	Persons killed	Persons injured
1950	184	340	15.6	230	28.9	425
1951	188	378	14.8	238	29.8	479
1952	181	393	14.4	221	31.1	479
1953	205	468	13.6	259	30.9	590
1954	213	514	12.0	279	28.9	673
1955	191	480	12.0	241	30.3	607
1956	175	450	10.5	224	27.0	577
1957	178	368	8.4	225	22.1	592
1958	183	493	9.7	238	26.2	640
1959	177	495	8.6	232	24.0	650
1960	174	514	9.3	228	27.5	673
1961	156	478	7.6	211	23.3	648
1962	152	481	7.3	209	23.1	663
1963	155	515	7.6	206	25.1	685
1964	147	503	8.0	197	27.5	674
1965	142	505	8.6	192	30.5	682
1966	138	512	8.0	190	29.8	706
1967	137	530	7.5	189	29.1	731
1968	128	515	8.7	179	35.0	717
1969	121	504	7.8	170	32.6	712
1970	122	526	8.2	172	35.4	743
1971 (b)	113	503	7.2	160	32.3	712

(a) Figures for 1967 and later years have been adjusted in accordance with preliminary results of the 1971 Census of Population.

(b) Preliminary figures.

STATISTICAL PUBLICATIONS

49

Issued by the Deputy Commonwealth Statistician and Government Statistician,
1-3 St George's Terrace, Perth.

PRINTED PUBLICATIONS

Title of Publication	Latest issue at 31 Jan. 1973	Published	Price	
			Excluding postage	Including postage (a)
EASTERN AUSTRALIAN YEAR BOOK	No. 11, 1972	Oct. 1972	\$ 2.00	\$ 2.45 (b)
EASTERN AUSTRALIAN POCKET YEAR BOOK (c)	No. 54, 1972	Sept. 1972	0.20	0.27
QUARTERLY STATISTICAL ABSTRACT	Dec. 1972	Jan. 1973	0.20	0.27
STATISTICS OF WESTERN AUSTRALIA (Annual) (d)				
Building and Housing (c)	1970-71	Sept. 1972	0.30	0.37
Demography (c)	1970	Jan. 1973	0.40	0.52
Finance	1970-71	Aug. 1972	0.40	0.47
Labour and Prices	1971	Sept. 1972	0.60	0.67
Local Government (c)	1969-70	July 1972	0.50	0.57
Non-Rural Primary Industries	1969-70	Nov. 1972	0.20	0.27
Rural Industries (c)	1969-70	June 1972	1.10	1.34
Social Statistics (c)	1970	May 1972	0.30	0.42
Summary from 1829	1829-1971	Sept. 1972	0.20	0.27
Trade (overseas and interstate)	1970-71	Aug. 1972	1.40	1.75 (e)
Transport and Communication	1968-69	Apr. 1972	0.30	0.37
ABSTRACT OF STATISTICS OF LOCAL GOVERNMENT AREAS (Annual) (c)	1972	June 1972	0.50	0.68

(a) Within Australia and to Christmas Island, Cocos Island, Lord Howe Island, Norfolk Island, Nauru and Papua-New Guinea. (b) Within 30 miles of the General Post Office, Perth. Elsewhere in Western Australia, postage is 55 cents; to other States and Territories, 61 cents. (c) Includes statistics for individual local government areas. (d) Replaces the *Statistical Register of Western Australia* for 1968-69 and subsequent years. (e) Within 30 miles of the General Post Office, Perth. Elsewhere in Western Australia and to Cocos Island and Christmas Island, postage is 45 cents; to South Australia and Northern Territories, 65 cents; to Victoria, 75 cents; elsewhere in Australia, etc., 85 cents.

MIMEOGRAPHED PUBLICATIONS

(Available free of charge on application)

Subject	Frequency of issue	Latest issue at 31 Jan. 1973	Published
ACCIDENTS—			
Industrial Accidents	Annually	1971-72	Dec. 1972
Road Traffic Accidents involving Casualties	Quarterly	Sept. qr. 1972	Dec. 1972
Road Traffic Accidents involving Casualties (a)	Annually	1971	Aug. 1972
BUILDING—			
Building Operations (a)	Quarterly	Sept. qr 1972	Dec. 1972
Building Permits and Approvals (a)	Monthly	Dec. 1972	Jan. 1973
Number of New Houses and Flats (preliminary estimates)	Quarterly	Dec. qr 1972	Jan. 1973
EMPLOYMENT—			
Wage and Salary Earners in Civilian Employment	Annually	June 1966 to June 1972	Sept. 1972
FINANCE—			
Fire, Marine and General Insurance Statistics	Annually	1971-72	Jan. 1973
Local Government Finance Statistics	Annually	1970-71	Oct. 1972
Local Government Revenue and Expenditure : Budget Estimates (a)	Annually	1972-73	Nov. 1972
MOTOR VEHICLES—			
Motor Vehicle Registrations	Monthly	Nov. 1972	Jan. 1973
Motor Vehicle Registrations (a)	Annually	1969	Aug. 1970

continued overleaf

Subject	Frequency of issue	Latest issue at 31 Jan. 1973	Published
POPULATION AND VITAL STATISTICS—			
Divorce	Annually	1971	June 1972
Hospital In-patient Statistics(†)	Annually	1971	Aug. 1972
Inter-censal Changes in Population (a)	Irregular	1961–1966	June 1968
Population and Occupied Dwellings : Censuses, 1911 to 1966 (a)	Irregular	1911 to 1966	Feb. 1968
Population, Dwellings and Vital Statistics (Local Government Areas and Statistical Divisions) (a)	Annually	1971 and 1972	Jan. 1973
Projections of the Population	Irregular	1967 to 76	Feb. 1969
PRIMARY PRODUCTION—			
Agricultural and Pastoral Statistics (general summary)	Annually	1971–72	Nov. 1971
Agricultural Census : Principal Statistics (preliminary statement)	Annually	1971–72	Aug. 1971
Apples and Pears in Cool Stores	Monthly	Dec. 1972	Jan. 1973
Artificial Fertiliser Used on Rural Holdings (a)	Annually	1971–72	Dec. 1971
Bee Keeping Statistics	Annually	1971–72	Nov. 1971
Catch of Fish and Crustaceans	Monthly	June 1972	Dec. 1971
Cattle and Pigs (a)	Annually	1972	Sept. 1971
Cereal Crop Forecast	Annually	1972–73	Oct. 1971
Chicks Hatched and Poultry Slaughtered	Monthly	Oct. and Nov. 1972	Jan. 1973
Ewe Matings for Lambing	Triennially	1969 and 1970	Feb. 1971
Fisheries	Annually	1970–71	Aug. 1971
Fruit (a)	Annually	1971–72	Jan. 1971
Grain and Other Crops and Cereal Varieties (a)	Annually	1971–72	Dec. 1971
Grain and Seed Harvesters on Rural Holdings (a)	Triennially	1970	Mar. 1971
Hay, Green Feed and Silage (a)	Annually	1971–72	Jan. 1971
Irrigation (a)	Annually	1971–72	Jan. 1971
Livestock Slaughtered and Meat Produced	Annually	1971–72	Dec. 1971
Machinery on Rural Holdings (a)	Annually	1972	Dec. 1971
Mineral Exploration	Annually	1970–71	July 1971
Nursery and Flower Production Statistics †	Annually	1971–72	Nov. 1971
Pasture Seed (a)	Annually	1971–72	Jan. 1971
Rock Lobsters Held in Cold Stores and Exported	Monthly	Dec. 1972	Jan. 1973
Rural Land Utilisation (a)	Annually	1971–72	Jan. 1971
Sheep, Lambing and Wool Clip (a)	Annually	1971–72	Sept. 1971
Tractors on Rural Holdings (a)	Triennially	1969	Mar. 1971
Value of Primary Production (excluding Mining and Quarrying) (preliminary statement)	Annually	1971–72	Dec. 1971
Vegetables (a)	Annually	1971–72	Jan. 1971
Wheat for Grain (a)	Annually	1971–72	Aug. 1971
SECONDARY PRODUCTION—			
Economic Censuses—Manufacturing Establishments and Electricity and Gas Establishments: Summary of Operations by Industry Class	Annually	1968–69 and 1969–70	Jan. 1973
TRADE (EXTERNAL)—			
External Trade (Overseas and Interstate)	Annually	1970–71	Dec. 1971
Interstate Trade	Annually	1971–72	Oct. 1971
Quarterly Summary of Overseas Trade Statistics	Quarterly	To Sept. 1972	Jan. 1973
TRADE (INTERNAL)—			
Wholesale Sales and Stocks of Wine and Brandy	Annually	1970–71 and 1971–72	Oct. 1971
GENERAL—			
Monthly Statistical Summary	Monthly	Jan. 1973	Jan. 1973

(a) Includes statistics for individual local government areas. (†) New issue.

NOTE. In addition to the preceding publications, a number of bulletins which deal exclusively with this State are produced by the Commonwealth Statistician, Canberra, who also issues many publications which contain particulars for Western Australia as a component of Australian totals. A complete list of all publications currently issued by the Central and the various State Offices of this Bureau appears in "Publications of the Commonwealth Bureau of Census and Statistics" issued by the Commonwealth Statistician, copies of which are available free of charge from the Western Australian Office at the address shown on page 49.